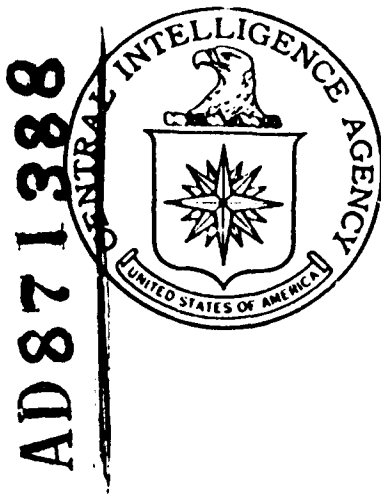


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CONSOLIDATED TRANSLATION SURVEY

Number 149

Through 31 May 1970

CENTRAL INTELLIGENCE AGENCY
Washington, D.C. 20505

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CONSOLIDATED TRANSLATION SURVEY

FOR MAY 1970

TABLE OF CONTENTS

	<u>Page</u>
Preface	iii
Request for Copies	iv
USSR	
Economic	1
Political	14
Military	18
Sociological	22
Biographic	23
Eastern Europe	
Economic	23
Political	27
Military	30
Geographic	31
Sociological	31
Western Europe	
Economic	32
Political	32
Military	34
Africa	
Economic	34
Political	35
Sociological	37
Middle East	
Economic	37
Political	38
Military	40
Sociological	40
Far East	
Economic	41
Political	42
Military	45
Sociological	46

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	<u>Page</u>
Latin America	
Economic	46
Political	47
Military	50
Sociological	50
North America	
Political	51
Military	52
Sociological	52
Scientific	
Aeronautics	53
Agriculture	53
Astronomy & Astrophysics	57
Atmospheric Sciences	58
Behavioral & Social Sciences	60
Biological & Medical Sciences	60
Chemistry	67
Earth Science & Oceanography	71
Electronics & Electrical Engineering	74
Energy Conversion (Non-Propulsive)	81
Materials	82
Mathematical Sciences	96
Mechanical, Industrial, Civil, & Marine Engineering	97
Methods & Equipment	105
Missile Technology	107
Navigation, Communications, Detection & Countermeasures	107
Nuclear Science & Technology	109
Physics	110
Propulsion & Fuels	118
Space Technology	119
Miscellaneous	120
Information Received on Cover-to-Cover Translations	122
Index to Authors	250

CONSOLIDATED TRANSLATION SURVEY

PREFACE

This survey is prepared monthly from lists received through the cooperation of US government agencies and includes universities, research institutions, and commercial translation organizations. It is a compilation of projects completed or started during the preceding month.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date of publication, and publication identifications of the completed project are given when available. Tables of contents of journals translated cover-to-cover are reproduced from the current publications.

Projects in process, i.e., not completed as of the date of this survey, are noted with an asterisk (*), and when available, a project-control or "in-process" number is noted in parentheses following the title. Certain details may be unavailable on such projects. New projects in process are not listed again until they are completed.

An index to authors of items in this issue is provided at the end of the survey.

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ACSI - (see DIA)

AFCRL Res Lib

Air Force Cambridge Research Laboratories
Research Library
Office of Aerospace Research
United States Air Force
Laurence G. Hanscom Field
Bedford, Massachusetts
ATTN; CRMCLR

AGI

American Geological Institute
2201 M Street N. W.
Washington, D. C. 20037

AGU

American Geophysical Union
2100 Pennsylvania Avenue N. W.
Washington, D. C. 20037

AIP

American Institute of Physics
335 East 45th Street
New York, New York 10017

AMS

American Mathematical Society
P. O. Box 6248
Providence, Rhode Island, USA 02904

APL/JHU

Applied Physical Laboratories
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland 20910

BCF - Bureau of Commercial Fisheries
(see Department of Interior)

BISI

British Iron and Steel Industry Translation Service
The Iron And Steel Institute
4 Grosvenor Gardens
London, S. W. 1, England

BNL - (see CFSTI)

CB

Consultants Bureau Enterprises, Incorporated
227 West 17th Street
New York, New York 10011

CFSTI

Clearinghouse for Federal Scientific and
Technical Information
Port Royal and Braddock Roads
Springfield, Virginia 22151

CSIRO

Central Library, CSIRO
P. O. Box 89
East Melbourne, Victoria, 3002

CTT

Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DDC

Defense Documentation Center
Cameron Station
Alexandria, Virginia 22314

NBS

National Bureau of Standards
ATTN: Dr. Henry Birnbaum
Room 314, South Building
Washington, D. C.

NIC

Commander, Naval Intelligence Command
Naval Intelligence Command Headquarters
NIC-133E
Washington, D. C. 20350

NLL

National Lending Library For Science and
Technology
Boston Spa, Yorkshire, England

NMS

Navy Medical School
National Naval Medical Center
Bethesda, Maryland 20014

NOO

U. S. Naval Oceanographic Office
Code 4400
Washington, D. C. 20390

NSRDC

Naval Ship Research and Development Center
Washington, D. C. 20007

NSTIC - Naval Science and Technology Intelligence Center

Ministry of Defense
Room 102, Station Square House
St. Mary Cray, Orpington, Kent.

ORNL - Oak Ridge National Laboratory
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OSA

Optical Society of America, Inc.
American Institute of Physics
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New York, New York, 10017

PP

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Program Director, Soviet Soil Science
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5 Feb 1970, p 2.
JPRS 50288

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JPRS 50448

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JPRS 50378

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p 2.
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JPRS 50275

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p 2.
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Oct 1969, pp 28-29.
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 JPRS 50275

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 JPRS 50275

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 JPRS 50448

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 JPRS 50310

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JPRS 50411

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p 1.
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p 2.
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p 2.
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6 pp.
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5 pp.
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6 pp.
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JPRS 50324

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JPRS 50372

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JPRS 50238

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pp 10-11.
JPRS 50409

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pp 26-27.
JPRS 50502

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JPRS 50473
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JPRS 50414
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JPRS 50340
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JPRS 50430
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JPRS 50414
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JPRS 50384
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JPRS 50458

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pp 1, 4.
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pp 14-16.
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18 Mar 1970, pp 2-4.
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21 Mar 1970, pp 2-4.
JPRS 50458

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5 pp.
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pp 18-19.
JPRS 50287

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7 pp.
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pp 18-19.
JPRS 50287

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pp 20, 27.
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JPRS 50231

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18 Dec 1969, pp 16, 17.
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12 Feb 1970, p 12.
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Merged into Okthe, 5 pp.
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JPRS 50231.

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JPRS 50404

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p 2.
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p 2.
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p 2.
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pp 1, 2.
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1970, pp 12-13.
JPRS 50344

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pp 13-14.
JPRS 50450

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JPRS 50394

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p 6.
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pp 1, 3.
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No 11, 1969.
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*ACSI J-7902

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American Institute of Physics
Vol 10, No 4, 1970

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Vol 29, No 6, 1969

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CB

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CB

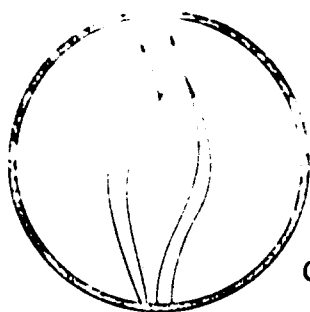
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American Institute of Physics
Vol. 38, No. 10, 1970

ACTA ENTOMOLOGICA SINICA

Number	Page
MA SHIH-CHUN, TING-YEN CH'EN and LI TIEN-MO, Study on Long Term Prediction of Locust Population Fluctuations	1
LIU HSUN, LENG HSIN-FU and YANG P'AN-NUNG, A Study of the Structure and Biological Activity of Acethion Analogues as Selective Organophosphorous Insecticides	22
TS'AI PANG-HUA, HOUT'AO-CH'EN and SUNG SHIH-MEI, Preliminary Observations on the Hybridization of <u>Dendrolimus</u> Species and the Biology of the Hybrids	32
HSIA K'AL-LING and FAN SHU-TE, Notes on the Genus <u>Reticulitermes</u> Holmgren of China (Isoptera, Rhinotermitidae)	51
WANG TUN-CH'ING, CH'EN T'EN-PAO, WENG SHIH-CHEN and LIAO HAO-JUNG, Studies on Two Types of <u>Trombicula Deliensis</u> Walch (Trombiculidae, Acarina)	76
LIN P'ING, Report on an Entomological Expedition to Tibet 1960-61 (Order: Coleoptera; Family: Scarabaeidae; Subfamily: Rutellinae)	85
HSIA PANG-YING and KUO-FU, Studies on the Reproduction of the Oriental Migratory Locust: Changes of Some Chief Constituents on the Reproductive Organs During Normal Adult Development	91
TSENG SHENG, On the Identification of <u>Trichogramma</u> Species	105
CHANG SHIH-MEI, A Discussion on the Line of Demarcation of the Palearctic and Oriental Regions East of the Tsinling Mountain Range Based on Knowledge of the Distribution of Certain Agricultural Insect Pests	112
TS'AO CHENG-LIANG and WANG K'E KUNG, A New Pest of <u>Ziziphus Jujube</u> in the Lanchow Area- <u>Porphyrinia Parva</u> (Hübner)	125
SUN HSIAG-HSUAN and LI WEI-CHI, Histopathological Studies on the Effects of Gamma Irradiation on the Ovarian Tissues of <u>Ostrinia Nubilalis</u> (Huebner)	129
LIU FANG and FENG HUI, The Metabolism of Blood Sugars of the Armyworm	140
HSIA PANG-YING and KUO FU, Respiratory Metabolism during the Pupal Stage of the Honey Bee (<u>Apis Mellifera</u> L.)	152
YANG WEN, KUO CHING-YANG and YEH TSENG-FANG, Biological Studies on <u>Linnaemyia Compta</u> Fallen (Diptera: Larvaevoridae)	159
HSÜ CH'ING-FENG, KUO SHOU-KUEI, HAN YÜ-MEI, FENG CHEN, CHANG JUNG and LI I-CHUNG, Studies on the Soy Bean Pod Borer <u>Leguminivora Glycinivorella</u> (Mats.) Obraztsov	178

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Astrophysics

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Contents

Volume 4, Number 1 • Spring 1968

		Russian page	English page
Editorial Board	Milne's Problem in the Theory of Spectral Line Formation.		
Ashtotska	V. V. Ivanov	5	1
A publication of the Academy of Sciences Armenian SSR	Interpretation of the Spectrum of Classical Cepheids.		
V. A. Ambartsumyan, Editor in Chief	V. I. Goln'ko	15	4
L. V. Mirzoyan, Associate Editor	Investigation of the Dynamics of Triple Systems by the Method of Statistical Tests. II. T. A. Agekyan and Zh. P. Anosova	31	11
A. A. Boyarchuk	Central Condensations in Sb Galaxies. K. A. Saakyan	41	17
B. A. Vorontsov-Vel'yaminov	Detailed Photographic Polarimetry of the M 82 Galaxy.		
G. A. Gurzadyan	V. A. Gagen-Torn	93	26
S. A. Kaplan	Single Radio Sources in the Vicinity of Galaxies.		
B. E. Markaryan	G. M. Tovmasyan	117	32
V. V. Sobolev	Observations of Cosmic Radio Sources at 60 Mc.		
	A. M. Aslanyan, R. D. Dagkesamanskii, V. N. Kozhukhov, V. G. Malumyan, and V. A. Sanamyan	129	39
Faraday Advisory Editors	Orientation in Space of Planetary Nebulas. V. P. Grinin and A. M. Zvereva	135	43
A. J. Meadows University of Leicester	Brief Communications		
D. ter Haar Oxford University	Nonstationary Diffusion of Radiation in a Gas. V. Yu. Terebizh	141	45
	A New Variable of the U Geminorum Type. B. E. Markaryan	144	46
	Binary Nature of HD 191 566. E. A. Vitrichenko, Yu. A. Polkanov, and Yu. I. Shutov	146	47
	Classification of the Cores of Some Elliptic Galaxies.		
	E. S. Parsamyan	150	49
	Intrinsic Polarization of Stellar Light from RX Boo, AB Cyg, AK Peg. R. A. Vartanyan	152	51
	Theoretical Interpretation of Flare Phenomena in Nonstable Stars. G. A. Gurzadyan	154	52
	Available from The Faraday Press		

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CONTENTS

Engl./Russ.

CONTINUOUS CONTROL SYSTEMS

Synthesis of Time-Optimal Control for Linear Third-Order Systems. III —A. I. Moroz	1367	5
Optimal Control of Linear and Nonlinear Systems Having Distributed Parameters —N. N. Golub'	1377	16
Probabilistic Characteristics of Kalman Estimates—Yu. I. Paraev	1389	29
Principal Versions of Statistical Design Method—F. Csaki	1397	37

DISCRETE SYSTEMS

Optimal Discrete Control of the End State of a Linear Stochastic System —V. V. Malyshev	1408	49
Theory of Bivariate Automatic Control Systems Having Frequency Modulation —A. G. Al'mukhamedov and L. O. Rodnyanskii	1417	58
Bivariate z-Transform and the Possibilities of Its Use in Statistical Dynamics of Discrete Automatic Systems. I—V. G. Gusev	1426	67

ADAPTIVE SYSTEMS

Adaptive Filter Using Time-Delay Elements—É. D. Aved'yan	1438	78
--	------	----

LARGE-SCALE SYSTEMS

Some Problems in Optimal Allocation of Large-Volume Memories—V. N. Burkov M. I. Rubinshtein, and V. B. Sokolov	1442	83
Estimate of the Memory Required for Batched Processing of Data Obtained from Dependent Poisson Sources—T. N. Nesterova	1450	92

AUTOMATA

Extremal Approach to the Determination of Convergence Conditions for Algorithms of the Potential-Function Method—B. M. Litvakov	1455	98
Experience in the Practical Realization of Algorithms for the Recovery of Likelihood Functions by the Potential-Function Method—D. É. Gukovskii and A. G. Raev	1467	109
Complexity of Realization of Incompletely-Defined Boolean Functions—N. P. Red'kin	1474	118

AUTOMATIC CONTROL IN BIOLOGICAL SYSTEMS

Certain Homogeneous Neuron Nets—I. I. Pyatetskii-Shapiro, O. N. Stavskaya, and A. L. Toom	1478	123
--	------	-----

TECHNICAL MEANS

Synthesis of an Optimal Pumping Function for Parametric Generators and Amplifiers —V. A. Sokolov	1483	129
Canonical Form of the System of Kirchhoff Equations—M. B. Gendler	1490	136
Compensation of Error Caused by Induction in a Hall-Effect Multiplier—I. L. Vin'kov and O. K. Khomeriki	1498	144

(Contd)

Available from Consultants Bureau

AVTOMATIKA I TELEMEXHANIKA
No 9, 1969

(continued)

Engl./Russ.

COMPUTING TECHNIQUES IN AUTOMATIC CONTROL

Method for the Generation of Certain Types of Functions of Several Variables Using the Equideterminator Approximation—M. S. Abramovich	1503	149
---	------	-----

REMOTE CONTROL AND INFORMATION SYSTEMS

Some Criteria for Bounds on Homogeneous Nets—I. P. Egorov	1511	158
Diagnosability of Complex Systems—A. M. Bogomolov and V. A. Tverdokhlebov	1519	168

TECHNICAL NOTES

Frequency Characteristics of Optimal Linear Control Systems—A.G. Aleksandrov	1526	176
Use of the Gol'dfarb-Popov Method for the Investigation of a Certain System Nonlinearity—B. I. Shakhrtan and V. I. Shishkin	1533	183

BOOK REVIEWS

P. Vidal, Nonlinear Pulse Systems—Reviewed by Ya. Z. Tsypkin	1542	191
--	------	-----

Available from Consultants Bureau .

The Russian press date (podpisano k pechatu) of this issue was 9/2/1969.
Publication therefore did not occur prior to this date, but must be assumed
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AUTOMATION and REMOTE CONTROL

A translation of *Avtomatika i Telemekhanika*

Number 10

October, 1969

CONTENTS

Engl./Russ.

CONTINUOUS CONTROL SYSTEMS

Absolute Stability of Automatic Control Systems with Many Executive Organs - B. Zh. Maigarin	1545	5
Optimal Control with Singular Regions - R. Gabasov and F. M. Kirillova	1554	15
Optimality Conditions in Problems of Linear Synthesis - N. V. Prodan	1564	26
Optimum Control of Nonlinear Distributed-Parameter Systems - N. N. Golub'	1572	35
Controllable Semi-Markovian Processes with Finite Numbers of States and of Controls - M. G. Tepitski	1582	45
Cubature Method of Computing Probability Moments - L. N. Dobrodeev	1590	54
Detecting Step-Varying Parameters of Multidimensional Processes - A. I. Yashin	1595	60

DISCRETE SYSTEMS

Optimum Control of Variable-Structure Systems - V. S. Khabarov	1603	68
Method of Studying Automatic Control Systems with Variable Parameters - V. I. Rizun	1610	75

ADAPTIVE SYSTEMS

Convergence of Learning Algorithms - I. P. Devyaterikov, A. I. Kaplinski, and Ya. Z. Tsypkin	1619	83
--	------	----

LARGE-SCALE SYSTEMS

Optimal Control of a Large-Volume Memory in the Presence of Nonstationary Independent Access Statistics - V. N. Burkov, M. I. Rubinshtein, and V. B. Sokolov	1627	90
Mean Service Duration in the Class of θ -Priorities - G. A. Kotyuzhanski and L. B. Nisnevich	1631	94

AUTOMATA

Model of Voting with Random Error - N. B. Vasil'ev, M. B. Petrovskaya, and I. I. Pyatetski-Shapiro	1639	103
Description and Analysis of Switching Circuits with Large Numbers of Input Variables - M. A. Gavrilov, O. P. Kuznetsov, and V. E. Khazatki	1643	108

AUTOMATIC CONTROL IN BIOLOGICAL SYSTEMS

Random Nets of Analog Neurons - D. Ya. Averbukh	1651	116
Stable States in Homogeneous Nets of Formal Neurons - Yu. B. Kotov	1658	124

TECHNICAL MEANS

Some Problems in Designing Optimal Electromechanical Automation Devices taking Reliability into Account - T. M. Vorob'eva, K. A. Iyudu, and V. N. Kruglov	1665	132
Pulse Remagnetization of a Ferromagnetic Lamination - I. D. Maergoiz	1670	137

COMPUTING TECHNIQUES IN AUTOMATIC CONTROL

Insensitivity of Gradient Systems in the Solution of Linear Problems on Analog Computers - M. V. Rybashov	1679	147
--	------	-----

(Contd.)

Available from Consultants Bureau

AVTOMATIKA I TELEMEXHANIKA
No 10, 1969

Engl./Russ.

Failure Diagnosis in Discrete Modular Objects—E. S. Sogomonyan	1688 156
TECHNICAL NOTES	
Flow Interpretations and an Algorithm for Solving the Problem of Time-Optimal Allocation of Limited Resources—V. M. Demenchuk	1697 168
Some Properties of the Readiness Function for a Maintained System—A. L. Raikin	1703 174
Computer Generation of Normally Distributed Random Variables—L. A. Faradzhev	1707 178
CHRONICLES OF THE IFAC	
In the National Committee of the USSR on Automatic Control	1711 182

Available from Consultants Bureau

The Russian press date (podpisano k pečati) of this issue was 10/8/1969.
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to have taken place reasonably soon thereafter.

SOVIET AUTOMATIC CONTROL

— Ukrainian Journal of Automation

AVTOMATYKA

NUMBER 4

1969

CONTENTS

Page

DYNAMIC SYSTEMS

L. M. Boychuk and A. M. Voronin: Invariance Theory in Control Systems (a Survey)	1
L. M. Boychuk: Necessary and Sufficient Conditions for Absolute Invariance of Control Systems with Indirect Measurement of Disturbances	13
A. M. Voronin: Stability of a Class of Combined Control Systems	18
V. S. Mechetnyy: Double Invariance of Control Systems	21
V. P. Pichkurenko and O. V. Fokin: Invariance Conditions in Stationary and Nonstationary Systems	27
R. O. Spas'kyy: Absolute Invariance Conditions for Nonlinear Systems of Differential Equations	39
L. S. Yampol's'kyy: An Invariant System for Two-Circuit Control of a Lathe	44

INFORMATION AND INTERPOLATION SYSTEMS

A. G. Ivakhnenko and Yu. V. Koppa: Algorithm of the Group Method of Data Handling Using Linear Operators	50
---	----

BRIEF NOTES

V. I. Dvortsyn, S. K. Lisnychyy, Yu. K. Tsyhankov, and V. P. Sharhovs'kyy: A Resistor-Transistor Threshold Element with Variable Threshold	59
K. S. Dzhykiya, Yu. S. Manukyan and S. Ye. Rogava: Realization of Circuit Control in Binary Pulse Counters	63
N. O. Ivakhnenko: A Self-Organizing Heuristic Program for Solving Mass- Spectrography Problems	66
O. O. Pavlov: An Arrangement Criterion for Threshold Self-Selection of Variables in GMDH Algorithms	67

Available from Institute of Electrical Engineers

BIOCHEMISTRY

A translation of *Biokhimiya*

Volume 34, Number 5, Part 1

September-October, 1969

CONTENTS

	Engl./Russ.
Conversion of Isosalipurposide and Phloridzin on Contact with Various Plant Tissues - V. I. Kefeli, E. M. Kof, Ya. S. Knip, L. V. Bukhanova, and E. L. Yaroviste.....	719 891
Preparation and Properties of Deoxyribonuclease of <i>Bacillus mesentericus</i> - I. B. Leshchinskaya, N. P. Balaban, and T. S. Gubaidullina	727 902
N-Terminal Amino Acid of Silk Fibroin in <i>Bombyx mori</i> L. - G. Ya. Lamm and K. G. Ioffe	732 908
Fractionation of Cerebral Gangliosides Based on Their Thermal Instability in Weakly Acid Solutions - Ya. A. Epshtein and T. Markaev.....	735 911
Relationship between the Content of Nucleic Acids in the Seed Embryos of Spring Wheat Varieties and the Place of Cultivation - T. A. Koksharova, E. I. Nikitina, S. R. Agamalova, E. V. Budnitskaya, and V. N. Stoletov	739 915
Phosphorylation of Histones in Liver and Zajdela's Hepatoma Cells - N. V. El'tsina and N. A. Veresotskaya	744 921
Investigation of Sulfhydryl Groups of Lysyl-tRNA-synthetase from Rat Liver - K. P. Khanson, T. A. Orlova, L. D. Petrova, and A. N. Shutko	747 925
Chromatographic Separation of Higher Fatty Acid Monoglycerides According to Their Chain Length and Degree of Unsaturation - G. V. Novitskaya and A. G. Vereshchagin	751 930
Investigation of the Soluble Proteins of the Sericin and Fibroin Sections of the Silk-Secreting Gland of the Mulberry Silkworm by the Method of Electrophoresis in a Polyacrylamide Gel - S. M. Klunova and Yu. V. Filippovich	757 937
Active Transport of Potassium Ions in Mitochondria of a Wild Strain and of Respiratory Mutants of <i>Saccharomyces cerevisiae</i> - V. I. Golubkov, T. B. Kazakova, and V. G. Leont'ev	763 944
Study of Substrate Specificity of Δ^4 -3-Ketosteroid:NADPH Oxidoreductase (5 α) from Rat-Liver Microsomes - M. B. Reznikova, M. A. Novikova, V. N. Leonov, A. V. Platonova, and S. N. Ananchenko	769 951
Study of Amino Acid Synthesis in Normal and Tumor Tissues of Man and Animal - T. T. Berezov, A. A. Poznanskaya, and A. Khadzh.	773 956
Role of the Disulfide Bond in the Maintenance of the Ovalbumin Structure - F. V. Shmakova and E. D. Kaversheva	778 963
Conformational Stability of Trypsin in Reaction with Phospholipids - S. E. Bresler, E. A. Glazunov, A. G. Popov, and A. T. Sukhodolova	783 969
Bacterial Transformation of Lactam to ω -Amino Acids - R. P. Naumova	787 975
Incorporation of P^{32} into the Nucleotides of Thymus Nuclei Incubated with Ribose and Glucose - K. Iv. Dancheva	791 980
Isolation and Certain Properties of the 2.8 S Protein of Soybean Seeds - I. A. Vaintraub and A. D. Shutov	795 983

The Russian press date (podpisano k pechatl) of this issue was 8/21/1969.
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ELECTRICAL ENGINEERING IN JAPAN

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VOLUME 89

1969

NUMBER 8

CONTENTS

	Page
K. Matsunobu and T. Inoue: Evaluation of Insulation Lifetime and Damage of High-Voltage Stator Windings	1
N. Nagasaka: Selection Criteria of DC Servomotors Based on Power Rate.	9
S. Fukuda and H. Fujiwara: Analysis of Separately Excited Inverter with Smooth DC Input Voltage.	17
T. Sugiyama and K. Yamaguchi: Precision Measurement of Audio-Frequency Power Using a Time-Division Multiplier.	26
T. Anayama and Y. Sakaki: Dynamic Characteristics of Magnetic Amplifier Cores Based on Flux Reversal Mechanism	35
Y. Tsuboi: Function Tester for Digital Integrated Circuits	45
H. Hattori: Magnetic Core for Betatron.	55
S. Wada: Switching-Surge Flashover Characteristics of Point Electrode Gaps	62
K. Kawatake: Optimum Commitment of Thermal Generating Unit.	65
T. Takuma: Comments on "Measurement of Potential Distribution in Discharge Gap by the Electrostatic Probe"	78

Available from Institute of Electrical and Electronics Engineers

DOKLADY BIOLOGICAL SCIENCES

A translation of selected sections of *Doklady Akademii Nauk SSSR*

Volume 187, Numbers 1-6

July-August, 1969

CONTENTS

Engl./Russ.

CYTOLOGY

- The Fate of the Lagging Chromosomes and Micronuclei—I. A. Alov and V. V. Kazan'ev 501 191
 Stimulation of DNA Synthesis in Mouse Embryonic Fibroblastic Cells In Vitro
 — Yu. M. Vasil'ev, I. M. Gel'fand, V. I. Gel'shtein, and E. K. Fetisova 504 913
 The Chromosomes of the Black Sea Flatfish *Rhombus maeoticus* Pallas—V. N. Ivanov 507 1397
 The Dynamics of the Relationship between Chromosomes and Nuclear Membrane
 In the Sex Cells of the Rat—M. A. Monakhova and A. I. Kostenko 510 1400

ECOLOGY

- Quantitative Determination of the Structure of the Phytoplankton Associations of the Bratsk Reservoir—O. M. Kozhova 514 1165

EMBRYOLOGY

- The Role of Neurosecretory Cells of the Subesophageal Ganglion in Determination of Embryonic Diapause in *Orgyia antiqua* L.—T. V. Kind 517 226
 Effect of Cortisone on Development of the Sea Urchin *Strongylocentrus nudus* and Loach *Misgurnus fossilis* and Biosynthesis of Nucleic Acids—A. V. Chestukhin 521 956

ENDOCRINOLOGY

- The Effect of Hydrocortisone on the Mytotic Cycle—S. S. Laguchev 525 230
 A Factor Inhibiting Chorionic Gonadotropin Action Recovered from Sheep Pituitary Gland—M. N. Ostroumova 528 1445

EVOLUTIONARY MORPHOLOGY

- Food-Seizing Mechanism in Anura Larvae—A. S. Severtsov 530 211
 Origin of the Basal Elements of the Hyobranchial Skeleton of Larvae of Amphibians—A. S. Severtsov 533 677

EXPERIMENTAL MORPHOLOGY

- Spontaneous and Induced Differentiation of Osseous Tissue in a Population of Fibroblast-like Cells Obtained from Protracted Monolayer Cultures of Bone Marrow and Spleen—R. K. Chailakhyan and K. S. Lalykina 537 473
 Oriented Mutual Effect of Opposite Cell Layers in the Hydroid Polyp *Dynamena pumila*—L. V. Belousov 541 1436
 Regeneration in *Acanthocyclops virdidis* (Copepoda, Cyclopoida)—G. Ya. Krenke 545 1439

GENETICS

- Comparison of the Mutagenic Action of Chemically Similar Bifunctional Nitrogen Mustards on *Aspergillus nidulans*—S. P. Kovalenko, V. K. Panchenko, and L. B. Rapp 548 916
 On the Possibility of Localizing Messenger RNA Synthesized at G₂ and Prophase on Human Metaphase Chromosomes—T. A. Martines, A. I. Burak, and B. B. Fuks 551 919
 (Contd.)

Available from Consultants Bureau

	Engl./Russ.
Mutagenic Effect of Isocyanic Acid and Potassium Isocyanate—L. N. Matvienko and A. M. Serebryanyi	554 1169
Periodical Succession of Inbreeding and Crossbreeding in Natural Reproduction of Plants—Yu. P. Mityuta	556 1171
Mutagenic Activity of α -Aceto- β -Vinyl- γ -Valerolactone—I. A. Rutsldi, F. G. Pomarev, and A. D. Sviridova	559 1175
The Mutagenic Action of 3,4-Dioxyphenylalanine as One of the Possible Mutagens Forming in Irradiated Tissues—V. A. Kopylov, S. S. Yurov, A. M. Veksler, and A. M. Kuzin ...	562 1404
HISTOLOGY	
Succinic Dehydrogenase and Cytochrome Oxidase Activity in an Injured Sensory Neuron—V. F. Baranov and S. M. Prokopenko	565 443
IMMUNOLOGY	
Histochemical Study of Cathepsin C in the Spleen at Different Immunogenesis Stages—F. L. Leites, I. P. Kudinkina, and B. B. Fuks	568 193
Gamma Globulin Synthesis in Mixed Cultures of Allogenic Lymphoid Cells—R. V. Petrov and A. A. Mikhailova	572 922
Immunohistochemical Investigation of the Rat Brain during Postnatal Ontogenesis—S. M. Sviridov and E. V. Polyakova	575 925
Rejection of Syngenic Skin Grafts as a Method of Determining the Chimerism of Immunocompetent Cells in F ₁ Hybrids—A. S. Shevelev and V. F. Semenov	578 1408
MORPHOLOGY	
Axodendritic Connections of the Brain Stem Reticular Formation in Reptiles—N. S. Kositsyn ..	581 942
Connections of the Auditory Cortex (Zone Ep) with the Claustrum—V. A. Otellin	584 1198
PHYSIOLOGY	
Modeling of the Adequate Light Signal by Electrical Irritation of the Visual Cortex of the Brain—A. B. Kogan and E. B. Kompaneets	587 215
Cytophotometric Investigation of Na ⁺ -K ⁺ -Activated, Mg ²⁺ -Dependent Adenosine Triphosphatase in the Rat Kidney—T. V. Krestinskaya and N. B. Manusova	589 217
Origin and Functional Significance of Primary Induced Potentials of the Cerebral Cortex—K. M. Kullanda	592 220
Daily Rhythm of Gas Metabolism and the Pineal Eye in <i>Rana temporaria</i> L—Yu. D. Chugunov and K. A. Kislov	596 224
Properties of the Myoneural Systems of the Adductor Muscle of the Chela in Crayfish—V. S. Gorelkin	598 476
Cortical-Subcortical Interaction under Electric Anesthesia—P. K. Anokhin and K. V. Sudakov ..	601 681
Presynaptic Nature of Depression by Tetanus Toxin of Postsynaptic Inhibition—I. S. Gushchin, S. N. Kozhechkin and Yu. S. Sverdlov	604 685
Evoked Potentials of Primary Somatic Sensory Projection Areas on the Dorsolateral Surface of the Cerebral Cortex of the Cat—G. F. Kalistratov	607 689
Study of the Effects of Ammonia-Forming Influences on the Proteins of the Brain by Two-Dimensional Separation in a Thin Layer of Sephadex G-200—E. F. Klein and É. G. Kurtskhaliya	611 693
Activation of Protein and RNA Synthesis in the Brain as a Factor of Adaptation to Altitude Hypoxia—F. Z. Meerson, M. Ya. Malzelis, V. B. Malkin, E. M. Leikina, R. M. Kruglikov, and N. A. Popko	615 697
Localization of the Concluding Stages of the Hydrolysis of Tributyrin in the Epithelial Cells of the Small Intestine—M. Yu. Chernyakhovskaya and A. M. Ugolev	619 701
Development of the Basic Parameters of Motor Unit Discharges in Rats during Postnatal Ontogenesis—A. V. Bursian and G. E. Sviderskaya	622 945

(Contd.)

Available from Consultants Bureau

DOKLADY AKADEMIYE NAUK SSSR
Vol 187, No 1-6, 1969

(continued)

Engl./Russ.

Effect of Stimulating the Supraoptic Nuclei of the Hypothalamus on the Oxytocic Activity of the Blood of Lactating Rabbits—K. I. Kaveshnikova, L. A. Chudnovskii, and I. F. Shenger	625	949
Representation of Afferent Systems in the Anterior and Middle Brain of Lizards (<i>Ophisaurus apus</i>)—G. A. Kulikov and Kh. M. Safarov	628	952
Changes in Duration of Action Potential of Cardiac Muscle Fibers under the Influence of Acetylcholine—E. B. Babskii, V. A. Makarychev, and E. Ya. Raikhbaum	631	1201
Hypothesis Concerning the Mechanism of Formation of Temporary Communications—A. I. Roitbak	635	1205
Theory of Regulation of Blood Circulation and Blood Formation—M. A. Khanin and I. B. Bukharov	638	1443
VIROLOGY		
Synthesis of Virus-Specific Proteins in Cells Infected with Venezuelan Horse Encephalomyelitis Virus—V. M. Zhdanov, F. I. Ershov, and L. V. Uryvaev	641	667
ZOOLOGY		
Structure of the Chromosomes of <i>Citellus undulatus</i> and History of the Ranges of <i>C. undulatus</i> and <i>C. Parryi</i> —N. N. Vorontsov and E. A. Lyapunova	644	207

Available from Consultants Bureau

The Russian press dates (podpisano k pechati) of the first and last issues covered in this issue of the translation were, respectively, 6/17/1969 and 8/20/1969. Publication of the material translated in this issue therefore is known to have occurred not prior to the earlier of these dates, but must be assumed to have taken place at intervals starting reasonably soon after this date and ending shortly after the later date.

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Vol. 187, (Russian original dated March
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CONTENTS

Page

GEOPHYSICS

DIFFERENCES IN PHYSICAL PROCESSES AT THE FOCI OF WEAK AND STRONG EARTHQUAKES, by K. V. Pshennikov	1
SOME POSSIBILITIES INHERENT IN THE COMBINED USE OF NEUTRON AND SONIC PULSE LOGGING, by M. F. Mirchink, O. L. Kuznetsov, L. A. Sergeyev, L. Z. Tslav, N. N. Deyev and Yu. S. Shimelevich	3
CHANGES IN FORMS OF TROPOSPHERIC CIRCULATION AS A FUNCTION OF THE MACROSTRUCTURE OF THE SOLAR WIND, by R. V. Smirnov	6
STUDY OF THE PIEZOMAGNETIC EFFECT OF MAGNETIC PERTURBING BODIES ON CHANGES IN CRUSTAL STRESS, by E. E. Fotiadi, G. L. Karatayev, V. A. Larionov and V. G. Cheremisin	9

GEOLOGY

THE SEDIMENTATION FACTOR IN THE EVOLUTION OF STRUCTURES IN THE AKTANYSH-CHISHMY TROUGH, by A. D. Nadezhkin, D. V. Postnikov and G. A. Fattakhutdinov	12
PRE-DEVONIAN ROCK ASSOCIATIONS AND STAGES OF EVOLUTION OF THE NORTH EL'BRUS DISTRICT, by Yu. Ya. Potapenko	15
FAULT DISPLACEMENTS IN THE EAST SAKHALIN MOUNTAINS, by V. S. Rozhdensvenskiy	17
THE SHAP GRANITE, WEST MORLAND, ENGLAND, by A. B. Vistelius	20

(Contd)

Available from AGI

March 1970

	Page
ROLE OF RHOMBOID BLOCK FIELDS IN THE TECTONICS OF THE DNIPIER-DONETS DEPRESSION, by I. V. Galitskiy and R. M. Plstrak	23
A FIND OF ANAHOPLITES IN THE CRETACEOUS OF SOUTHERN SAKHALIN, by Yu. G. Zhuravlev	25
STRATIGRAPHY OF THE LOWER PERMIAN SERIES IN THE NORTH OF THE RUSSIAN PLATFORM, by D. S. Kashik, I. A. Alekseyeva, R. Ye. Nel'zina, A. N. Polozova and V. N. Rostovtsev	26
DISTRIBUTION OF ALKALIES IN POTASSIC FELDSPAR IN GRANITOIDES OF DIFFERENT GENETIC TYPES (SOUTHERN FRINGE OF THE ALDAN SHIELD), by I. S. Sedova, Yu. S. Shapkina, Ye. D. Prudnikov and N. V. Kotov	29
VOLUME AND STRATIGRAPHIC SUBDIVISIONS OF THE BASHKIRIAN STAGE OF THE MIDDLE CARBONIFEROUS, by L. A. Ektova	31
SECONDARY VOLCANIC FORMATIONS IN AREAS OF PYRITE MINERALIZATION IN THE SOUTHERN URALS, by I. S. Vakhromeyev	35
AGE OF COUNTERPARTS OF THE PALEOGENE KUBERLE HORIZON IN THE NORTH BLACK SEA REGION AND THE CRIMEA, by B. T. Golev and A. A. Veselov	38
REASONS FOR THE MOVEMENT OF GEOGRAPHIC POLES AND THE NATURE OF WORLD GEOPHYSICAL FIELDS, by A. V. Dolitskiy	40
THE VOLGIAN IN THE NORTHWEST OF THE DNIPIER-DONETS DEPRESSION, by F. I. Kats and I. M. Shaykin	44
RED RESIDUUM OF THE UPPER PLEISTOCENE ON THE SOCHI-ANAPA COAST OF THE BLACK SEA, by A. B. Ostrovskiy and A. P. Shcheglov	47
THE TRIASSIC OF THE CRIMEAN PLAINS, by N. I. Chernyak and A. A. Savitsina ..	49
LATE PALEOZOIC MARINE TRANSGRESSION IN NORTHEASTERN KAZAKHSTAN, by D. P. Avrov, A. Kh. Kagarmanov and V. A. Starostin	50
OXFORDIAN OF THE VYATKA-KAMA WATERSHED, by V. V. Vladimirov	53
METAMORPHISM OF CLASTIC QUARTZ IN SEGOZERO QUARTZITE (KARELIA), by I. M. Simanovich	54
THE POSSIBILITY OF STUDYING THE VARIATION IN GRAVITY WITH GEOLOGIC TIME, by L. S. Smirnov and Yu. N. Lyubina	56
NATURE AND CORRELATION OF THE CAMBRIAN OF BATENEV RIDGE, KUZNETSKIY ALATAU, by N. P. Suvorova	59
FIRST FINDS OF ORDOVICIAN GRAPTOLITES IN THE NORTHERN NURATAU, SOUTHERN TIEN SHAN, by Z. M. Abduazimova, D. Ya. Akhber, O. A. Startsev and Ye. V. Chukarov	62
THE MESOZOIC OF KARAGINSKIY ISLAND, EASTERN KAMCHATKA, by B. K. Dolmatov, S. A. Mel'nikova and Yu. M. Stefanov	63
MECHANISM OF EVOLUTION OF PLAYAS IN THE SOUTH MANGYSLAK REGION, by V. N. Kortsenashteyn	65
SUPERGENE SILICIFICATION OF KIMBERLITE AT THE MOSKVICHKA PIPE, by V. I. Mikhayenko	67
AGE OF GAS-BEARING SEDIMENTS AND SOME PATTERNS OF DISTRIBUTION OF GAS POOLS IN THE PALEOGENE OF NORTHERN CISCAUCASIA, by B. A. Onishchenko and B. G. Sokratov	71
NEW FINDS OF FOSSILS IN METAMORPHIC FORMATIONS OF THE CENTRAL PAMIRS, by Ye. F. Roman'ko, E. S. Cherner and I. A. Sivertseva	74
EVOLUTION OF UPPER DEVONIAN BIOHERMS OF THE TATAR ARCH, by N. Sh. Khayredinov	76
TRAP ASSOCIATION OF THE TIEN SHAN, by T. A. Dodonova	79
NEW DATA ON THE ORIGIN OF VISÉAN BAUXITE IN THE TIMANS, by O. S. Kochetkov and A. M. Plyalyn	81
AGE OF THE MERCURY MINERALIZATION OF GORNYIY ALTAI, by V. A. Kuznetsov, A. A. Obolenskiy, L. Ye. Kornev and V. A. Zybin	84
DIFFERENCES IN LEAD-ZINC VEIN MINERALIZATION IN DIFFERENT ROCKS OF THE SADON DISTRICT, by Ye. M. Nekrasov	86
A DESCRIPTION OF A SECTION OF THE GNEISS SERIES IN THE CENTRAL AZOV REGION AND PROBLEMS OF ITS STRATIGRAPHY, by R. M. Polunovskiy ...	88
HYDROGEOLOGY	
GROUND-WATER FLOW IN ALLUVIUM OF THE VALLEYS OF THE EASTERN PART OF THE CASPIAN DEPRESSION, by N. E. Zeyberlikh	94
ROLE OF GROUND WATER IN THE GENESIS OF HYDROTHERMAL DEPOSITS IN CENTRAL KAZAKHSTAN, by V. G. Bogolepov	97

(Contd)

Available from AGI
March 1970

	Page
MINERALOGY	
CRYSTALLIZATION OF PYROXENE IN METEORITE CHONDRULES, by D. P. Gri- gor'yev	100
ANISOTHERMAL SECTION (400°) OF THE STATE DIAGRAM OF PYRRHOTITE, by Yu. N. Udodov and A. A. Kashayev	103
DISTRIBUTION OF MAGNESIUM AND IRON BETWEEN COEXISTING IRON-RICH SOLID SOLUTIONS OF OLIVINE AND ORTHOPYROXENE IN EULYITE FROM THE MARIUPOL' IRON DEPOSIT, by A. A. Val'ter	106
SOME PROPERTIES OF HYDROTHERMALLY SYNTHESIZED CLINOPYROXENE, by I. V. Nosyrev, A. A. Shaposhnikov, A. A. Smirnov, L. V. Sipavina and I. P. Khadzhi	109
A FIND OF β -MATILDITE IN EASTERN TRANSBAIKAL, by M. S. Sakharova	112
THE SMOKY AND CITRINE COLOR OF NATURAL QUARTZ, V. V. Bukanov and G. A. Markova	115
NATURE OF THE NAGOL'NAYA TARASOVKA MINERAL, by Yu. M. Korolev	117
MONTMORILLONITE FROM THE KURULTYKEN HYDROTHERMAL DEPOSIT, EASTERN TRANSBAIKAL, by G. I. Bocharov	121
THE FIRST FIND OF HAMMARITE IN THE USSR, by M. M. Povilyaytis, N. N. Mozgova, Yu. S. Borodayev, V. M. Senderova and G. N. Ronami	124
THE RECRYSTALLIZATION OF QUARTZ IN HYDROTHERMAL FLUORINE-BEARING SOLUTIONS, by V. S. Balitskiy and L. I. Tsinober	128
COMPOSITION AND LATTICE PARAMETERS OF RIEBECKITE-ARFVEDSONITE AMPHIBOLES, by G. G. Afonina, V. I. Kovalenko and V. A. Pisarskaya	130
ORDER AND DISORDER IN THE ARRANGEMENT OF SODIUM AND POTASSIUM ATOMS IN THE NEPHELINE STRUCTURE, by N. S. Samsonova	134
PETROGRAPHY	
FINDS OF CLASTIC AURIFEROUS PYRITE IN THE PROTEROZOIC OF THE BODAY- BO RIVER BASIN, by A. Ye. Gapon and M. M. Gapeyeva	138
RELATION OF THE PREHNITE-PUMPELLYTE FACIES OF REGIONAL META- MORPHISM TO PYRITE MINERALIZATION IN THE SOUTHERN URALS, by A. V. Zotov, V. P. Loginov and G. N. Pshenichnyy	139
ERUPTIVE BRECCIA OF THE SADON ORE FIELD, NORTHERN CAUCASUS, by G. A. Kobilev and A. G. Kuznetsov	142
PETROCHEMICAL DATA ON ORE-BEARING TRANSURAL GRANITOID, by Ye. P. Smirnov	144
DEPTH FACIES OF GRANITOID AS EXEMPLIFIED BY THE GRANITOID COM- PLEXES OF UZBEKISTAN, by I. Kh. Khamrabayev, T. N. Dallinov and V. I. Ayzenshtat	146
METALLOGENIC TRENDS IN PYRITE-BEARING VOLCANIC ROCK ASSOCIATIONS, by M. B. Borodayevskaya, A. I. Krivtsov, N. K. Kurbanov and M. I. Novgorodova	149
GEOLOGIC NATURE OF NONLINEAR RELATIONSHIPS BETWEEN THE CONTENTS OF COMPONENTS IN HYPOGENE ORE BODIES, by V. F. Myagkov	152
MERCURY MINERALIZATION AT THE MENDELEYEV VOLCANO, by N. A. Ozerova and M. G. Dobrovol'skaya	154
MESOZOIC TRACHYDOLERITE ASSOCIATION OF THE SOUTHERN TIEN SHAN AND SOME ASPECTS OF ITS FURTHER STUDY, by R. B. Baratov, and I. V. Mushkin	158
REGENERATION OF QUARTZ IN LOWER CARBONIFEROUS RESERVOIR BEDS IN THE EASTERN PART OF THE RUSSIAN PLATFORM, by Ye. T. Gerasimova ..	159
SHEETLIKE COUNTERPARTS OF COAL BALLS IN DONBAS COAL, by P. V. Zaritskiy ..	161
ECLOGITE OF THE FRONT RANGE, NORTHERN CAUCASUS, by G. D. Afanas'yev, V. V. Ploshko and N. P. Shport	164
PERIDOTITE INCLUSIONS IN CENOZOIC TRACHYBASALT OF THE BAIKAL REGION, by A. I. Kiselev and M. Ye. Medvedev	167
THE FASSAITE NATURE OF CLINOPYROXENE FROM MAGNESIAN SKARN, by L. I. Shabynin	169
LITHOLOGY	
FREEZING POINT OF WATER IN NATURAL CLAY AS A FUNCTION OF MOISTURE CONTENT, by A. M. Blokh, B. M. Moiseyev, A. A. Nazarov and V. D. Lomtadze ..	173
GENESIS AND DISTRIBUTION OF BAUXITE AND DIASPORE-CHAMOISITE ORE ON THE WEST SIDE OF THE SOUTHERN URALS, by V. B. Shishakov	176
EFFECT OF CLAY MINERALS ON THE PROPERTIES OF CLAY SOILS, by Ye. M. Bergeyev	178

(Contd)

Available from AGI
March 1970

DOKLADY AKADEMIYE NAUK SSSR
Vol 187, No 1-6, 1969

	Page
EFFECT OF THE TECTONIC FACTOR ON THE EPIGENETIC ALTERATION OF THE CLAY CEMENT IN SANDY SILTY ROCKS IN THE PRODUCTIVE DEPOSITS OF THE SURGUT AND MZHE VARTOVSKOYE ARCHES, WESTERN SIBERIA, by R. S. Sakhibgareyev and V. T. Pitkevich	179
RELATIONSHIP BETWEEN THE STRUCTURAL AND CRYSTALLOMORPHIC PROPERTIES OF KAOLINITE IN SEDIMENTARY FORMATIONS, by M. G. Berger ..	182
GEOCHEMISTRY	
ALTERATION OF SEA WATER IN REACTIONS WITH ROCKS AT HIGHER TEMPERATURES, by I. G. Kissin and S. I. Pakhomov	185
A CRITICISM OF THE LUNAR HYPOTHESIS FOR THE ORIGIN OF METEORITES, by A. K. Lavrukhina and G. K. Ustinova	188
ASSOCIATIONS OF ELEMENTS IN RESIDUUM, AS REVEALED BY CORRELATION ANALYSIS, by A. Ye. Tyulenev	192
BEHAVIOR OF SULFUR IN HYDROTHERMAL SOLUTIONS, by R. P. Rafal'skiy and A. I. Zarubin	195
EFFECT OF THERMODYNAMIC CONDITIONS ON THE DISTRIBUTION OF HYDRO-CARBON POOLS, by V. V. Baybakov, V. Ye. Karachinskiy, V. G. Osadchiy, I. M. Fedortsov and Yu. I. Filyas	198
CONTENT AND MODE OF OCCURRENCE OF RARE EARTHS IN QUARTZ FROM THE GREISEN ZONE, by M. M. Elinson, V. A. Lider and V. N. Rozhanskiy	201
BORON IN BOTTOM SEDIMENTS IN THE NORTHEASTERN PART OF THE ATLANTIC OCEAN BASIN, by F. V. Sukhorukov and Ye. M. Yemel'yanov	204
SOME FEATURES IN THE MINERAL AND GEOCHEMICAL STATES OF IRON PRESENT IN PEAT BOGS, by K. I. Lukashev and V. A. Kovalev	207
PALEONTOLOGY	
NEW PRECAMBRIAN CYANOPHYCEANS FROM BATENEV RIDGE, by A. G. Vologdin and N. A. Drozdova	211
PARALLELISM IN THE PHYLOGENETIC EVOLUTION OF RUGOSE CORALS, by A. B. Ivanovskiy	214
NEW UNUSUAL SPIRIFERIDS OF THE LOWER DEVONIAN (SUBORDER ATHYRIDIDINA), by R. Ye. Alekseyeva	215
REPLIDACNA FOUND FOR THE FIRST TIME IN THE SARMATIAN OF AZERBAIDZHAN, by A. A. Ali-Zade	218
A DISCOVERY OF ALGAE OF THE FAMILY RIVULARIACEAE IN THE UPPER PRECAMBRIAN, by A. G. Vologdin, and N. A. Drozdova	220
OCEANOGRAPHY	
SPECIFIC FEATURES OF VERTICAL WATER CIRCULATION IN THE ARCTIC BASIN, by V. N. Stepanov	223
POSSIBLE GENESIS OF CROSS STRUCTURES OF THE NORTH-CENTRAL ATLANTIC, by S. S. Grigor'yev	226
A NEW FIND OF ACCUMULATIONS OF PHOSPHATE CONCRETIONS IN THE INDIAN OCEAN, by V. Kh. Gevork'yan and Yu. G. Chugunnyy	230
THE SOURCE OF MANGANESE IN PACIFIC OCEAN FLOOR SEDIMENTS, by V. I. Chaynikov	232
CONFIRMATION OF THE EXISTENCE OF THE SOUTH BRANCH OF THE EQUATORIAL COUNTERCURRENT IN THE ATLANTIC OCEAN, by N. K. Khanaychenko ..	235

Available from AGI
March 1970

DOKLADY PHYSICAL CHEMISTRY

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Volume 188, Numbers 1-3

September, 1969

CONTENTS

	Engl./Russ.
Description of Chemical Reactions in a Source Field of Rapidly Oscillating Intensity - A. M. Brodskii and A. A. Chernenko	571 131
Relation of Two Combustion Anomalies of Powder Tubes- Yu. A. Goxintsev and P. F. Pokhil	574 135
Hindered Interaction of the Electron Pairs of Elements of Group V. Dipropargylamine Nitrogen- R. G. Kostyanovskii, V. M. Bystrov, Z. E. Samolova, and I. I. Chervin ..	576 137
Method of Cluster Components in the Solution Theory- A. N. Men', M. P. Bogdanovich, Yu. P. Vorob'ev, R. Yu. Dobrovinskii, and G. I. Chufarov	580 141
Gas Phase Polymerization of Formaldehyde in an Open System- P. I. Penchev, V. V. Ivanov, and N. S. Enkolopyan	584 145
Catalytic Polymerization of Ethylene by Nitrile Complexes of Transition Metals - A. D. Pomogailo and G. A. Belkhol'd	587 148
Effect of the Interaction Energy in the Phase Boundary on the Flexibility and Packing Density of Polymer Chains- A. E. Fainerman, Yu. S. Lipatov, and V. K. Maistruk ..	591 152
Relationship between Chromatographic Retention Factors and Thermodynamic Dissolution Parameters- S. S. Yufit, B. A. Rudenko, Zh. A. Krasnaya, and V. F. Kucherov	595 156
Nature of the Proton Centers in Catalytically Active Zeolites- V. G. Gvakhariya, V. I. Kvividze, V. F. Kiselev, M. B. Pylova, and G. V. Tstsiashvili	599 379
Quantum-Mechanical Model of a Polar Liquid- R. R. Dogonadze, A. M. Kuznetsov, and V. G. Levich	603 383
Effect of the Origin of H_2^+ Ions on the Cross Section for the Formation of HeH^+ Ions - V. V. Ivanov and M. V. Tikhomirov	607 387
Theory of the Vibronic Spectra of Polyatomic Molecules- A. V. Lukashin and M. D. Frank-Kamenetskii	610 391
Kinetic Model for the Polymerization of Formaldehyde under the Action of Triethylamine- P. I. Penchev, V. V. Ivanov and N. S. Enkolopyan	614 395
Optimum Separating Agent- O. Ya. Samollov and Yu. P. Aleshko-Ozhevskii	617 398
T-C-P Phase Diagram of the Pb-Sn System- E. Yu. Tonkov and I. L. Aptekar'	620 401
Ionic Conductivity of Microcrystals of Photographic Emulsions by a Luminescence Method- V. M. Belous, S. I. Golub, N. A. Orlovskaya, and K. V. Chibisov	622 612
Inhibiting Capacity of the Copper Bis-(α -Thiopicolinanilides) in the Low-Temperature Oxidation of Ethylbenzene- V. G. Vinogradova, Z. K. Maizus, and N. M. Emanuel	626 616
Partial Molar Volumes of Gases in Non-Polar Solvents- Yu. V. Guzikov	630 620

(Contd.)

Available from Consultants Bureau

DOKLADY AKADEMIYE NAUK SSSR
Vol 188, No 1-3, 1969

(continued)

Engl./Russ.

NMR Investigation of the Nature of the Active Center during the Polymerization
of β -Propiolactone in the Presence of Triethylamine—M. A. Markevich
and N. S. Enkolopyan

634 624

Available from Consultants Bureau

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A translation of the Physical Chemistry Section of *Doklady Akademii Nauk SSSR*

Volume 188, Numbers 4-6

October, 1969

CONTENTS

Engl./Russ.

Reactions of Organic Chains during the Polymerization of Monomers Having an Acetal Structure—N. I. Vasil'ev, V. I. Irzhak, V. I. Kartsovnik, E. N. Respopova, G. F. Telegin and N. S. Enikolopyan	639	835
Cementation of Indium by Zinc Amalgam—V. P. Gladyshev, M. T. Kozlovskii, and A. G. Barikov	643	839
Asymptotic Solutions in the Theory of Thermal Explosions in Autocatalytic Reactions—I. S. Lyubchenko	646	842
Effect of External Irradiation with Beta Particles on Vaporization of Silver from Alloy with Aluminum—G. F. Malinin, Yu. A. Priselkov, G. G. Klimenko and V. I. Spitsyn ..	651	846
Properties of Solutions of Surface-Active Agents in Water at Concentrations below the Critical Micelle Concentration—A. N. Potanin and N. A. Dubrovich	654	849
Effect of Polarity of the Medium on Polymerization Induced by Complexes with Charge Transfer—S. D. Stavrova, I. P. Chikhacheva, N. I. Myagchilova, and S. S. Medvedev ...	657	852
Reaction of Positronium with Fe^{3+} and Co^{2+} Ions in Alcohol Solutions—V. I. Gol'danskii, R. I. Zusman, Yu. N. Molin, and V. P. Shantarovich	660	1079
Surface Tension of Volatile Inorganic Group III-VI Hydrides—G. G. Devyatikh, A. D. Zorin, and I. V. Runovskaya	663	1082
Spin Exchange Rate Constants in Liquid and Glassy Vanadyl Salt Solutions Measured by ÉPR—K. I. Zamaraev and A. T. Nikitaev	665	1084
Properties of a Bromine-Hydrogen Flame—L. A. Lobachev and Z. I. Kaganova	668	1087
Polymerization of Vinyl Monomers under the Influence of Initiating Systems with the Participation of Amines—M. F. Margaritova, K. A. Rusakova, and S. D. Stavrova	671	1090
Effect of Light on the Paramagnetic Centers of γ -Irradiated DNA—V. K. Milinchuk, N. I. Ryabchenko and S. Ya. Pshezhetskii	675	1094
Electronic Spectra of Biscyanines—V. I. Permogorov, G. G. Dyadyusha, F. A. Mikhailenko and A. I. Kiprianov	678	1098
Ionization Processes in Low-Pressure Smoky Flames—V. I. Tverdokhlebov and N. N. Chirkin ..	682	1102
Thermodynamic Properties of Lower Thallium Selenide (Tl_2Se)—V. P. Vasil'ev, A. V. Nikol'skaya, and Ya. I. Gerasimov	684	1318
Calculating the Exchange Constants and Activity Coefficients of Resinates Involving the Exchange of Two Counterions—Yu. A. Kokotov	687	1321
Electrodes Reversible to Derivatives of the Ferricinium Cation—P. K. Leont'evskaya, T. A. Sokolinskaya, T. P. Vishnyakova, Ya. M. Paushkin, A. A. Pendin, and B. P. Nikol'skii	690	1324
Relation between the Extension of the Viscoelastic Plateau, the Molecular Weight, and the Nature of a Polymer Chain—A. Ya. Malkin, E. A. Dzyura, and G. V. Vinogradov	694	1328

(Contd)

Available from Consultants Bureau

DOKLADY AKADEMIYE NAUK SSSR
Vol 188, No 4-6, 1969

Engl./Russ

Correlation between Fine Structure and Singlet-Triplet Splitting in Copper Carboxylates - L. N. Romanenko, Yu. V. Yablokov, V. V. Gavrilov, L. N. Milkova, and A. V. Ablov	698	1332
Magnetism of Re (IV) Hexachloride Complexes- M. A. Gubolina, E. V. Ivanov, V. V. Zelentsov, and V. I. Spitsyn	702	1336
Surface Ionization of Lead on Oxidized Tungsten- I. V. Chernyshev and L. L. Shanin	704	1339

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DOKLADY BIOLOGICAL SCIENCES

A translation of selected sections of Doklady Akademii Nauk SSSR

Volume 188, Numbers 1-6

September-October, 1969

CONTENTS

Engl / Russ

ECOLOGY

The Correlation between Biomass of a Species and Maximum Population Number In a Phytoplankton Community - V. D. Fedorov	649	694
Dominating Forms in White Sea Phytoplankton - V. D. Fedorov	652	913
A Statistical Approach to the Study of Ecology of Marine Bacteria - A. V. Tsyban' and V. A. Shnaldman	655	1159

EMBRYOLOGY

Effects of Serotonin and Antiserotonin Preparations on the Development of Early Mouse Embryos, Cultured In Vitro - B. V. Leonov, A. P. Kamakhin, and G. A. Buznikov	658	958
Relative Duration of Certain Processes of Early Embryogenesis in Salmonid Fish - G. M. Ignat'eva	661	1418

EVOLUTIONARY MORPHOLOGY

Electron-Microscopic Investigation of Neurosecretory Elements of the Proximal Neurosecretory Contact Region in Some Sturgeons - P. E. Garlov	664	245
---	-----	-----

EXPERIMENTAL MORPHOLOGY

The Effect of Castration on the Process of Wing Muscle Degeneration in the Domestic Cricket (<i>Acheta domestica</i> L.) - O. M. Bocharova-Messner, I. V. Chudakova, and V. J. A. Novak	668	242
--	-----	-----

GENETICS

<i>Escherichia coli</i> Mutants Deficient for Glucose-6-phosphate Dehydrogenase - V. N. Gershanovich and D. N. Mandzhgaladze	671	212
Karyologic Study of Variation in Genetic Structure of Ascites Lymphoid Leukemia NK /Ly Cell Populations Induced by Splenic Lymphocytes from Tumor-Bearing Mice - N. V. Turbin, G. V. Kraskovskii, and G. N. Lobko	673	454
Long-Lived Potential Changes of Chromosomes in Metabolizing Cells of Rat Liver - M. V. Movsesyan and A. P. Akh'ev	677	685
Testing the Mutagenic Activity of the Polyoma Virus and the Modification Mechanism in Oncogenesis - I. A. Papoport, V. A. Parnes, and D. M. Levina	680	688
Cytological Effect of Laser Irradiation in Seedlings of <i>Allium fistulosum</i> L. - V. V. Rodionova and V. A. Tarasov	684	692
The Production of a Male Progeny in the Silkworm Moth <i>Bombyx</i> - V. A. Strunnikov	686	1155
Aneuploidy in Polyploid Sugar Beet Populations - N. V. Turbin and V. E. Bormotov	690	1381

HISTOLOGY

Termination of the Optic Fibers in the Pretectal Region of the Rat Brain - I. V. Viktorov	692	451
---	-----	-----

HYDROBIOLOGY

An Incorrect Relationship in Accumulation of Sr^{90} and Ce^{144} by Freshwater Plants - L. I. Piskunov	696	917
---	-----	-----

(Contd)

Available from Consultants Bureau

DOKLADY AKADEMIYE NAUK SSSR
Vol 188, No 1-6, 1969

Engl./Russ.

MICROBIOLOGY

Anaerobic Formation of Acetate from CH_3OH , CH_2O , HCCOH , Na_2CO_3 by Cell Suspensions of a Thermophilic Culture of <i>Methanobacillus kuzneceovii</i> —E. S. Paniskhava	699	215
The Argininosuccinylase System in Toxigenic and Weakly Toxigenic Strains of <i>Clostridium perfringens</i> Type A—V. A. Blagoveshchenski, M. S. Dolgikh, and Z. I. Borishpolets ..	702	458
Production of a Polyploid Form of <i>Pseudomonas melochlora</i> —A. A. Imshenetski and G. K. Zhil'tsova	706	462
A New Manganese-Oxidizing Soil Microorganism—Ten Hak-Mun	709	697
Absence of Phage Production in Bacteria Lysogenic for Noninducible Phage on Inactivation of Repressor—E. I. Golub and V. I. Zvenigorodskii	712	920

MORPHOLOGY

The Morphology of the Caudal Neurosecretory System of Teleosts as Exemplified in the Salmon <i>Salmo salar</i> L.—I. I. Saenko	716	1193
--	-----	------

PHYSIOLOGY

Reactions of Neurons in the Cerebellar Nuclei to Adequate Stimulation of the Cat Vestibular Apparatus—R. A. Grigor'yan and E. M. Kristi	720	249
Absorption and Elimination of Phospholipids by the Dog Brain after Unilateral Removal of the Superior Cervical Sympathetic Ganglion—K. G. Karagezyan and L. M. Ovsep'yan ..	724	253
Change in the Number and Size of Synapses on Motoneurons of the Frog Spinal Cord with Prolonged Stimulation of Posterior Roots—Yu. A. Darinskii and T. E. Korneeva ...	727	481
Investigation of Reactions of Neurons in the Vasculomotor Center to Adequate Excitation of the Vestibular Apparatus in Cats—S. N. Malikova	731	485
Effect of Certain Stress Factors on the Digestive Functions of the Intestinal Epithelium—A. M. Ugolev, N. M. Timofeeva, N. N. Iezuitova, M. P. Dombrovskaya, and K. R. Rakhimov	734	489
Quantitative Characteristics of the Central Compensatory Process—A. A. Shipov, V. A. Galichii, and E. L. Épshtein	738	493
Radioautographic Investigation of Nucleic Acids in Lymphoid Tissue in Chronic Lymphocytic Leukemia—I. N. Kogarko and L. S. Evsenko	740	726
Interaction of Certain Types of Evoked Potentials in Somatosensory Projecting Areas of the Cat Cerebral Cortex—A. A. Bashkurov	743	946
Role of the Nucleus Ventralis Posterolateralis Thalami in Distribution of Afferent Impulses to Cortical Projection Areas in the Cat—G. F. Kalistratov	747	950
Sensitivity of Interoceptors of the Small Intestine to Lactic Acid; Attempt at Correlating the Character of Afferent Impulsation with the Fine Structure of the Intestinal Nerves (Electron-Microscopic Data)—M. V. Kozlova, V. A. Lebedeva, and V. N. Chernigovskii ..	751	954
Echo-Locational Differentiation and Description of Radiated Pulsations in Dolphins—E. Sh. Airapet'yants, A. G. Golubkov, I. V. Ershova, A. R. Zhezherin, V. N. Zvorykin, and V. I. Korolev	756	1197
Significance of the Na/K Ion Ratio for Functioning of the Sarcoplasmic Reticulum—S. E. Severin and A. A. Boldyrev	759	1415

VIROLOGY

Binding of Viral Ribonucleoprotein with Ribosomes—A. G. Bukrinskaya, V. M. Zhdanov, and G. K. Vorkunova	762	464
Effect of Caffeine on Multiple Reactivation and Cross Reactivation of Vaccinia Virus—B. S. Sitnikov and Yu. Z. Gendon	765	924

ZOOLOGY

The First Terrestrial Leech— <i>Orobella whitmani</i> Oka (Hirudineae, Herpobdellidae)—in the Fauna of the USSR; a Tertiary Relict of Forests of the Southern Maritime Territory—M. S. Gilyarov, E. I. Lukin, and T. S. Perei'....	767	235
--	-----	-----

(Contd.)

Available from Consultants Bureau

Troglodytes and Hominids in the Systematics and Evolution of the Higher Primates B. B. Porshnev	770	238
History of Development of Lemmings (Rodentia, Microtinae) in the Quaternary Period of Eurasia - V. V. Lazhigin	773	722
The Extent of Reproductive Isolation between Pamir Vole (Microtus fulvipes Severtzov) and Carruthers' Vole (M. carruthersi Thomas) - V. N. Bol'shakov and V. A. Pokrovskii	776	940
Movement of Polychaete Larvae - M. I. Konstantinova	778	942
Use of Karyological, Physiological, and Cytophysiological Data to Separate a New Species of Rodent (Rodentia, Mammalia) - M. N. Meier, V. N. Orlov, and E. D. Skholl'	782	141

Available from Consultants Bureau

The Russian press dates (podpisano k pechati) of the first and last issues covered in this issue of the translation were, respectively, 8/29/1969 and 10/15/1969. Publication of the material translated in this issue therefore is known to have occurred not prior to the earlier of these dates, but must be assumed to have taken place at intervals starting reasonably soon after this date and ending shortly after the later date.

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Vol. 14, No. 10, pp. 935-1028

April, 1970

CONTENTS

	PAGE	RUSS. ISSUE	RUSS. PAGE
CRYSTALLOGRAPHY			
Oriented Crystallization on High-Polymer Boundary Layers, Copying the Electric Relief of the Crystalline-Substrate Surface by Virtue of the Electret Mechanism. G. I. Distler and S. A. Kobzareva.	(E) 935	4	811
Optical and Generation Properties of Mixed CdF_2 - YF_3 Crystals Activated with Nd^{3+} Ions. Kh. S. Bagdasarov, O. E. Izotova, A. A. Kaminskii, L. Li, and B. P. Sobolev.	(E) 939	5	1042
Thermodynamics of the Distribution of Cation Vacancies between the Sublattices in Spinel-Ferrite Solid Solutions. B. Ya. Sukharevskii, B. G. Alapin, and I. I. Vishnevskii.	(E/T) 942	5	1045
Crystal Structure of Calcium Chondrodite $\text{Ca}_5(\text{SiO}_4)_2(\text{OH})_2 = \text{Ca}(\text{OH})_2 \cdot \text{Ca}_4\text{SiO}_4$. R. M. Ganiev, Yu. A. Kharitonov, V. V. Ilyukhin, and N. V. Belov.	(E) 946	6	1281
CYBERNETICS AND CONTROL THEORY			
Finite Control of Discrete Linear Systems. A. G. Butkovskii.	(T) 949	4	762
Differential Games with Information Delay. F. L. Chernous'ko.	(T) 952	4	766
FLUID MECHANICS			
Determination of a Law of Turbulent Viscosity in a Flow Core on the Basis of a Principle of Maximum Stability. M. A. Gol'dshtik and V. N. Shtern.	(T/E) 955	4	772
MATHEMATICAL PHYSICS			
Equations Arising in the Summation of Perturbation-Theory Series for the Scattering Matrix. S. S. Ivanov and D. Ya. Petrina.	(T) 958	4	776
Equation of Transport of a Passive Impurity by Filtration Movement. A. B. Kazanskii.	(T) 961	4	780
The Gibbs Ensemble and Chains of Equations for the Correlation Functions of Weakly Relativistic Systems. I. P. Pavlotskii.	(T) 965	4	784
The Impossibility of Crystal Ordering in One-Dimensional Quantum Systems. B. I. Sadovnikov and E. M. Sorokina.	(T) 968	4	788

(Contd.)

Available from American Institute of Physics

Vol 14, No 10, 1970

	PAGE	RUSS. ISSUE	RUSS. PAGE
MECHANICS			
A New Case of Integrable Equations of Motion of a Rigid Body with One Fixed Point. <u>E. I. Kharlamova and P. V. Kharlamov</u>	(T) 971	4	770
A Numerical Method for the Analysis of Plane Mechanisms. <u>S. A. Mashkov</u>	(T) 973	6	1250
PHYSICS			
Self-Focusing High-Intensity Light Beams. <u>A. L. Dyshko, V. N. Lugovoi, and A. M. Prokhorov</u>	(T) 976	4	792
The Nature of Pearl Lightning. <u>V. F. Minin and F. Kh. Balbulatov</u>	(T) 979	4	795
Nature of Capture Centers in Quartz Glasses. <u>A. V. Amosov, G. T. Petrovskii, and D. M. Yudin</u>	(E) 983	5	1020
Probability of Double Beta Decay of Nuclei in Regions Far Removed from the Beta-Stable Band. <u>É. E. Berlovich and Yu. N. Novikov</u>	(T) 986	5	1023
Experimental Observation of $^{13}\text{C}^{4+}$, $^{28}\text{Si}^{4+}$, $^{76}\text{Se}^{4+}$, and S^{4+} Ions in a Diamond Lattice Using Electron Paramagnetic Resonance. <u>V. N. Lazukin and A. N. Terent'evskii</u>	(E) 989	5	1026
Absorption of Light in a $\text{CaWO}_4:\text{Nd}^{3+}$ Crystal with Na^+ Compensation in the 1.06- μ Range. <u>D. A. Mukhamedova</u>	(E) 991	5	1028
Photomagnetic Effect in Cadmium Telluride Films Giving Anomalous High Photovoltages. <u>É. I. Adirovich, É. M. Mastov, and Yu. M. Yuabov</u>	(E) 994	6	1254
X-Ray Fluorescence of Rare-Earth Ions in $\text{Y}_3\text{Al}_5\text{O}_{12}$ Crystals. <u>Yu. K. Voron'ko, B. I. Denker, V. V. Osiko, A. M. Prokhorov, and M. I. Timoshechkin</u>	(E) 998	6	1258
Nature of the Instability of the Interface between Two Liquids in a Constant Field. <u>V. M. Zaitsev and M. I. Shliomis</u>	(T) 1001	6	1261
Polarization of the Induced Radiation of Phthalimide Solutions. <u>A. N. Sevchenko, L. G. Pikulik, L. F. Gladchenko, and A. D. Das'ko</u>	(E) 1003	6	1263
TECHNICAL PHYSICS			
Durability and Creep in Monocrystals of Germanium and Silicon. <u>V. I. Betekhtin and A. N. Bakhtibaev</u>	(E) 1007	4	739
On the Effect of Softening in Low-Temperature Creep of Lead in the Superconducting State. <u>I. A. Gindin, B. G. Lazarev, Ya. D. Starodubov, and V. P. Lebedev</u>	(E) 1011	4	803
Temperature-Time Relationship of the Stimulated-Elasticity Limit of Polymers. <u>S. B. Ratner and Yu. I. Brokhin</u>	(E/T) 1014	4	807
Heteroepitaxial Growth of Cadmium Sulfide Films. <u>S. A. Aitkhozhin, G. B. Bokii, V. F. Dvoryankin, I. M. Kotelyanskii, and V. V. Pantelev</u>	(E) 1018	5	1032
Hardening of Metals by Temporary Lowering of the Temperature during Creep. <u>G. V. Vladimirova, V. A. Likhachev, M. M. Myshlyaev, and S. S. Olevskii</u>	(E) 1020	5	1034
Crystal Structure of $\text{Nb}_3(\text{Al}, \text{Ge})$. <u>N. V. Ageev, N. E. Alekseevskii, and V. F. Shamrai</u>	(E) 1023	6	1267
Effect of Surface Tension on Cavitation Erosion. <u>B. R. Lazarenko, K. K. Shal'nev, I. I. Varga, D. Shebesht'en, L. Balint, M. K. Bologa, and A. F. Derendovskii</u>	(E) 1025	6	1269

Available from American Institute of Physics
Vol 14, No 10, 1970

SOVIET MATHEMATICS

DOKLADY AKADEMIYE NAUK SSSR

Tom 189 Nos. 1-6, 1969

Vol. 10, No. 6

November-December, 1969

TABLE OF CONTENTS

	Russian page nos.	Page
Baladze, D. O. <i>Duality theorem for the homology and cohomology K-groups ..</i>	(9-11)	1309
Borok, V. M. <i>On a boundary value problem in an infinite layer for linear differential-difference systems</i>	(12-15)	1312
Višik, M. I. and Grušin, V. V. <i>Elliptic pseudodifferential operators on a closed manifold which degenerate on a submanifold</i>	(16-19)	1316
Golubov, È. A. <i>On finite separability in semigroups</i>	(20-22)	1321
Dinic, E. A. and Kronrod, M. A. <i>An algorithm for the solution of the assignment problem</i>	(23-25)	1324
Zaharjuta, V. P. <i>On the quasi-equivalence of bases in the infinite center of the Hilbert scale</i>	(26-28)	1327
Zinger, A. A., Kagan, A. M. and Klebanov, L. B. <i>The sample mean as an estimator of a translation, parameter for certain nonquadratic losses</i>	(29-30)	1331
Karacuba, A. A. <i>On trigonometric sums</i>	(31-34)	1334
Kačurovskii, R. I. <i>On the solvability of certain classes of nonlinear equations</i>	(35-37)	1338
Litvinčuk, G. S. and Nečaev, A. P. <i>A contribution to the theory of Carleman's generalized boundary value problem</i>	(38-41)	1341
Muhin, Ju. N. <i>Endomorphisms of the lattice of closed subgroups of a topological group</i>	(42-44)	1346
Nalimov, V. I. <i>A priori estimates of solutions of elliptic equations in the class of analytic functions and their applications to the Cauchy-Poisson problem</i>	(45-48)	1350
Čarušnikov, V. D. <i>On the problem of optimization of algorithms for approximate integration of functions of several variables</i>	(49-52)	1355
Čerskii, Ju. I. <i>On the incomplete factorization method</i>	(53-56)	1360
Šalyt, A. I. <i>Some results on sequential estimation of a translation parameter</i>	(57-58)	1365
Šil'nikov, L. P. <i>On a new type of bifurcation of multidimensional dynamical systems</i>	(59-62)	1368
Šragin, I. V. <i>Nemyckii's operator in spaces generated by gen-functions</i>	(63-66)	1372
Bakušinskii, A. B. <i>On the construction of regularizing algorithms in the presence of random noise</i>	(231-233)	1376
Burenkov, V. I. <i>On composition of absolutely continuous functions and composition of functions of bounded variation</i>	(234-236)	1379
Vaňnikko, G. M. <i>Compact approximation of operators and approximate solution of operator equations</i>	(237-240)	1382
Grišin, V. N. <i>Consistency of a fragment of Quine's NF system</i>	(241-243)	1387
Efimov, B. <i>On imbedding of Stone-Čech compactifications of discrete spaces in bicompacta</i>	(244-246)	1391
Kurčatov, V. A. <i>On a method of solving nonlinear functional equations</i>	(247-249)	1395

(Contd)

Available from The American Mathematical Society
Vol 10, No 6, 1969

DOKLADY AKADEMIYE NAUK SSSR
Vol 189, No 1-6, 1969

	Russian page nos.	Page
Li Hoang Tu <i>Approximately optimal properties of Wald tests and the problem of testing statistical hypotheses</i>	(250-253)	1398
Pasynkov, B. A. <i>On inductive dimensions</i>	(254-257)	1402
Portnov, V. R. <i>On a Sobolev-type projection operator</i>	(258-260)	1407
Sotskov, A. I. <i>Necessary conditions for a minimum for a type of nonsmooth problems</i>	(261-264)	1410
Bairamov, R. A. <i>Criteria of fundamentality for permutation groups and for transformation semigroups</i>	(455-457)	1414
Dragalin, A. G. <i>Transfinite complements of constructive arithmetic calculus</i>	(458-460)	1417
Flubaev, S. <i>On an inverse problem for the telegraph equation</i>	(461-463)	1421
El'kin, A. G. <i>On irresolvable spaces and ultrafilters that are topologically dense in themselves</i>	(464-467)	1424
Kondrat'ev, V. A. and Eidel'man, S. D. <i>On the character of solutions of linear evolutionary systems with elliptic space part</i>	(468-471)	1429
Kruškal', S. L. <i>A contribution to the problem of the dependence of holomorphic differentials on the moduli of Riemann surfaces</i>	(472-474)	1434
Marmerštejn, I. I. <i>On the boundedness of solutions of some systems of linear partial difference equations</i>	(475-478)	1437
Perov, A. I. and Kacaran, T. K. <i>On nonlinear multidimensional differential equations</i>	(479-482)	1441
Samko, S. G. <i>On closed form solvability of singular integral equations</i>	(483-485)	1445
Frank, L. S. <i>On hyperbolic difference operators</i>	(486-488)	1449
Cinman, L. L. <i>Certain algorithms in a formal arithmetic system</i>	(489-490)	1452
Ėskin, M. I. <i>A boundary value problem for an overdetermined system of two second-order equations</i>	(491-494)	1455
Aleksandrov, A. D. <i>Cones with a transitive group</i>	(695-698)	1460
Barzdin', Ja. M. <i>On computability by probabilistic machines</i>	(699-702)	1464
Le Din Thin <i>The investigation with respect to spectral indices of the power stability of difference approximations in time problems</i>	(703-706)	1468
Il'in, V. A. and Šiřmarev, I. A. <i>Fourier series with respect to fundamental systems of functions of a polyharmonic operator</i>	(707-709)	1473
Mihařlov, L. G., Gil'man, B. M. and Zamota, A. V. <i>Multidimensional integral equations with difference kernels in a half-strip</i>	(710-713)	1476
Nosko, V. P. <i>Local structure of Gaussian random fields in the vicinity of high-level light sources</i>	(714-717)	1481
Petrenko, V. P. <i>On the structure of the set of positive deviations of meromorphic functions</i>	(718-720)	1485
Pontrjagin, L. S. and Miřčenko, E. F. <i>A problem on the escape of one controlled object from another</i>	(721-723)	1488
Proizvolov, V. V. <i>On peripherally bicomact tree-like spaces</i>	(724-727)	1491
Sirota, S. <i>Homogeneous subsets of absolutes</i>	(728-731)	1494
Sternin, B. <i>Sobolev-type problems in the case of submanifolds with multidimensional singularities</i>	(732-735)	1499
Filippov, V. V. <i>On perfectly normal bicomacta</i>	(736-739)	1503
Halimskiř, E. D. <i>On topologies of generalized segments</i>	(740-743)	1508
Šapkin, A. F. <i>On nondetermined methods of solving Poisson's equation,</i>		(Contd)

Available from The American Mathematical Society
Vol 10, No 6, 1969

	Russian page nos.	Page
optimal on function classes	(744-747)	1512
Andrunakievič, V. A. and Rjabuhin, Ju. M. <i>Direct sums of division algebras</i>	(927-929)	1516
Gol'dman, M. A. <i>On a decomposition of a linear operator</i>	(930-933)	1520
Zabreiko, P. P. and Zafievskii, A. V. <i>On a certain class of semigroups</i>	(934-937)	1523
Ivrii, V. Ja. <i>Exponential decrease of the wave equation solution in the exterior of an almost star-like region</i>	(938-940)	1527
Kasymov, K. A. <i>The asymptotic behavior of the solution of the initial jump problem for nonlinear systems of differential equations with a small parameter in the leading derivative</i>	(941-944)	1531
Rasulov, M. L. and Zeinalov, I. S. <i>New integral transforms</i>	(945-948)	1536
Sil'vestrov, D. S. <i>Asymptotic behavior of first passage time for sums of random variables controlled by a regular semi-Markovian process</i>	(949-951)	1541
Trubin, V. A. <i>On a method of solution of integer linear programming problems of a special kind</i>	(952-954)	1544
Haitov, T. I. <i>Cubature formulas with prescribed derivatives in the periodic case</i>	(955-958)	1547
Šmulevič, S. D. <i>On the distribution of the eigenvalues of an operator of a selfadjoint elliptic boundary-value problem in an unbounded region</i>	(959-962)	1551
Beljaeva, M. A. <i>Approximate solution of a system of ordinary differential equations having a small parameter with the derivatives</i>	(1167-1170)	1556
Borodin, M. A. <i>The problem of linear conjugation for a holomorphic vector in a Banach space</i>	(1171-1173)	1560
Burgin, M. S. <i>Correspondence of categories over semiabelian categories</i>	(1174-1176)	1564
Dubovickii, A. Ja. and Miljutin, A. A. <i>Maximum principle in a class of variations of small absolute value for optimal control problems with mixed constraints of equality and inequality</i>	(1177-1180)	1567
Kulov, R. D. <i>Imbedding theorems for weight spaces of fractional order with a mixed norm</i>	(1181-1184)	1572
Frolov, V. D. <i>A contribution to the theory of singular integral equations with measurable coefficients</i>	(1185-1188)	1577
Table of contents for the next issue (Vol. 11, no. 1, January-February, 1970; Russian original Tom 190, nos. 1-41582-a		
Annual Index of Authors, Vol. 10, nos. 1-6, January-December, 1969I-XIV		

CORRECTIONS

The author has called attention to the following misprints.

E. D. Halimskii, *The generalized segment and its use in homotopy theory*, Vol. 10 (1969), no. 2, 351-353 (Russian pages Tom 185, 278-281).

On page 351, in the definition the following requirement should be added:

3. If a connected component V_a of the space $A - \{a\}$ contains either a connected V_b of the space $A - \{b\}$ or an end point a_i of the segment A , then the connected component V_c of the space $A - \{c\}$, which also contains either V_a or a_i , respectively, is either contained in V_a or contains V_a ($a \in A$, $b \in A$, $c \in A$).

(Contd.)

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Vol 10, No 6, 1969

In paragraph 3b) of Theorem 2 only a nonempty complement should be taken.

In Assertion 3, " $|e|$ " should be replaced by " e ".

In footnote to Assertion 3, $|f|$ and $|f_i| \neq |e|$ should be replaced by f and $f_i \neq e$, respectively.

On page 353, a sentence on lines 16-20 should be replaced by:

Two mappings $f: \dot{e}_n \times \vec{A} \rightarrow X$ and $\bar{f}: \dot{e}_n \times \vec{A} \rightarrow X$ of the class of mappings under consideration such that $f(x) = \bar{f}(x)$ ($x \in \dot{e}_n \times \vec{A}$; \vec{A} differs from \vec{A} only in orientation).

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Vol 10, No 6, 1969

SOVIET ELECTROCHEMISTRY

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CONTENTS

Engl./Russ.

BRIEF COMMUNICATIONS

Comparison of the Differences in Work Functions and Zero-Charge Potentials of Metals. IV. Gallium - E. V. Osipova, N. A. Shurmovskaya, and R. Kh. Burshtein	1075	1139
Determination of the Contact Potential Difference between Gallium and Mercury on the Basis of Space-Charge-Limited Currents in Phthalocyanines - Z. A. Rotenberg and S. D. Levina	1078	1141
Curves Obtained by Applying and Removing Cathodic Polarization during the Simultaneous Discharge of Nickel and Zinc Ions in Sulfate Solutions - L. V. Volkov and B. P. Yur'ev .	1080	1143
Liquid-Junction Potentials between Saturated Calomel Electrode and Aqueous Acetic Acid Solutions - T. V. Zegzhda, L. G. Lavrenova, and T. A. Ust'yantseva	1084	1147
Electrolytic Oxidation of Hydrazine on Palladium Membrane. I - N. V. Korovin and B. N. Yanchuk	1087	1150
Controlling Stage in Reduction of Nitrobenzene on Iron in Hydrochloric Acid - V. A. Karpov and S. A. Balezin	1090	1153
A New Method of Measuring Electroconductivity of Solutions - A. N. Zaikin and V. I. Lobyshev	1093	1156
Mechanism of Fine Structure Formation in Electrolytic Iron - E. A. Mamontov and V. M. Kozlov	1096	1158
Growth of Anodic Oxide Film on Tantalum - A. F. Bogoyavlenskii and T. I. Zakhvatov	1100	1162
Chemisorption and Oxidation of Hydrocarbons on Platinum Electrode. V. Nature of Particles Formed in Adsorption of Ethylene and Ethane - V. S. Tyurin, A. G. Pshenichnikov, and R. Kh. Burshtein	1103	1165
Chemisorption and Oxidation of Hydrocarbons on Platinum Electrode. VI. Electrolytic Oxidation of Ethane at Various Partial Pressures - V. S. Tyurin, A. G. Pshenichnikov, and R. Kh. Burshtein	1107	1168
Conductometric Investigation of Palladium Black - D. V. Sokol'skii, T. I. Yakovleva, and I. K. Toibaev	1110	1171
Study of the Electric Conductivity of a Raney Nickel Catalyst during Its Dehydrogenation in Solutions of Electrolytes - D. V. Sokol'skii, T. I. Yakovleva, and I. K. Toibaev	1113	1175
Frequency Dependence of the Reading Circuit of an Electrochemical Controlled Resistor - R. N. Kuklin and V. V. Sobol'	1116	1178
Potentials of Mixed Cadmium-Indium and Cadmium-Thallium Amalgams - N. A. Dragavtseva and Sh. R. Dzhanguzhin	1120	1182
The Effect of Electric Double-Layer Structure on Hydrogen Isotope Separation at a Mercury Cathode in Acid Solutions - V. M. Tsionskii and L. I. Krishtalik	1123	1184
Kinetics of Anodic Polymerization of Acrylamide - M. Ya. Fiozhin, E. P. Koval'chuk, and N. S. Tsvetkov	1127	1188
Change in the Electric Resistance and Electrochemical Activity of Raney Nickel Electrodes during the Recording of Charging Curves - N. V. Korovin, L. A. Kayutenko, N. F. Moiseeva, and N. I. Kudinova	1131	1191 (Contd)

Available from Consultants Bureau

Diffusion Coefficient of Manganese in Mercury - A. A. Lange and S. P. Bukhran	1134	1194
Investigation of Microkinetics in Electrolytic Oxidation and Chemisorption of Methanol by Means of Porous Platinum and Iridium Electrodes - Yu. M. Vol'fkovich, S. S. Sedova, Yu. B. Vasil'ev, and V. S. Bagotskii	1135	1195
Kinetics of Kolbe and Hofer-Moest Reactions on Solid Platinum in Acetate Solutions Containing Sodium Bicarbonate - Yu. M. Tyurin and G. N. Afon'shin	1138	1198
Effect of Organic Compounds on Oxygen Evolution and Adsorption of These Compounds on Platinum at High Anodic Potentials - Yu. M. Tyurin and G. F. Volodin	1142	1203
Stoichiometric Composition of Oxide on Passive Nickel - V. A. Lovachev, A. I. Oshe, and B. N. Kabanov	1146	1206
Electrochemical Process at $\text{Ag}_3\text{Si}-\text{AgNO}_3$ Solution Interface. I - Yu. V. Shirokov, V. S. Borovkov, and P. D. Lukovtsev	1150	1211
Determination of the Adsorption of Ions by the Method of Adsorption Potentials. III. The Adsorption of K^+ and Br^- on Platinum - A. N. Frumkin, O. A. Petrli, and Yu. G. Kotlov	1154	1214
Calculation of the Kinetic Parameters of Conjugated Reactions of Oxygen and Hydrogen Peroxide - V. S. Bagotskii, M. R. Tarasevich, and V. Yu. Filinovskii	1158	1218
Electrochemical Ionization of Adsorbed Gases at 450°C - A. I. Krasil'shchikov and L. G. Antonova	1162	1221
Use of Solid Electrolytes of $\text{ZrO}_2-\text{Sc}_2\text{O}_3$ System in Electrochemical Cells - Yu. M. Ovchinnikov, A. D. Nenimin, S. F. Pal'guev, and A. S. Lipilin	1165	1224
The Differential Capacity in Solutions of Aliphatic Acids Differing in Purity - A. V. Chizhov, S. D. Pirozhkov, and B. B. Damaskin	1168	1227
Cathodic Insertion of Manganese into Solid Electrodes - V. I. Trotsenko and V. P. Galushko	1172	1231
Hydrogen Overpotential on Gallium, Bismuth, Tin, and Antimony - A. B. Kilimnik and A. L. Rominyan	1175	1234
Reduction of Dihalogen-Substituted Derivatives of Aliphatic Series on Gallium Dropping Electrode - D. K. Durmanov and I. A. Bagotskaya	1177	1236
The Polarographic Catalytic Current of a Complex of a Metal as a Function of the Stability of the Complex and Concentration of Metal Ions - Ya. I. Tur'yan	1180	1240
Influence of Electrodeposition Conditions on the Compositions and Magnetic Properties of Cobalt-Phosphorus Alloys - V. V. Bondar'	1183	1242
Experimental Investigation of the Work of a Liquid Porous Electrode with Methanole Electrooxidation as an Example. III. Comparison of the Polarization Characteristics of Porous and Smooth Electrodes - Yu. M. Vol'fkovich, I. G. Gurevich, and V. S. Bagotskii	1185	1244
Electrical Conductivities and Densities of Certain Melts Based on Ca, Ba, Mg, and Mn Fluorides - G. A. Reutova and É. E. Lukashenko	1190	1248
Effects of Organic Surfactants on Cementation of Metals by Amalgams - V. P. Gladyshev, M. K. Nauryzbaev, and A. G. Barikov	1193	1251
LETTERS TO THE EDITOR		
The Electrodeposition of Aluminum in an Ether-Hydride Electrolyte - A. L. Levinskas, Ya. Yu. Sinyus, and A. I. Chesnavichus	1196	1255
Factors Determining the Stability and Reproducibility of Calomel Reference Electrodes - E. M. Malkova	1197	1256
Polarographic Reduction of Diphenylcarbazole - L. S. Reishakhrit and L. T. Ionova	1198	1257
Electrochemical Methoxylation of 1,3-Butadiene - M. Zh. Zhurinov, M. Ya. Fioshin, and L. A. Mirkind	1199	1257

Available from Consultants Bureau

The Russian press date (podpisano k pechatu) of this issue was 9/19/1968. Publication therefore did not occur prior to this date, but must be assumed to have taken place reasonably soon thereafter.

TELECOMMUNICATIONS and RADIO ENGINEERING

1969

NUMBER 9

CONTENTS

PART 1 TELECOMMUNICATIONS Volume 23

	Page
A.I. Kalinin, T.G. Tarakanova, V.N. Troitskiy and A.A. Shur: Calculation of Stability and Telephone Channel Noise Level in Tropospheric Links	1
A. F. Fomin: Comparison of Noise Immunities of Some Analog and Digital Methods for Continuous Message Transmission When Fluctuation Noise is Present and Reception is Ideal	7
M. L. Varshavchik: Spectrum of an RF Pulse Sequence with Angular Harmonic Modulation	14
I. A. Tsikin: Reception Noise Immunity When Composite Signals with Uncertain Arrival Time are Used	18
P. A. Gerastovskiy: Diversity Reception of FSK and DPSK Signals	23
G. V. Korol'kov: An SW Radio Channel Simulator	28
V. A. Kokotushkin and D. G. Mikhalev: Design of Stores for a Message Switching Center	34
V. P. Zhokh: A Method for Determining the Location of Insulation Damage for All Live Wires of a Communications Cable	41
V. V. Ustinov: Influence of Nonminimal Phase Angle of Transistors on Wideband Two-Stage Feedback Amplifier Stability	43

BRIEF COMMUNICATIONS

V. D. Kuznetsov and V. K. Paramonov: A Wideband Balanced Transformer	48
L. T. Kim: Design of a Transistor Modulator	52
V. G. Vol'pian: Design of Circuits for Stage Control of Bandwidth While Retaining a Fixed Phase Shift	54
B. V. Chistyakov: Evaluation of Component Parameters for a Binary Reversible Counter:	58
M. Z. Chapovskiy and V. N. Lovelko: A Simple Zolotarev Active Filter	61
G. L. Gloriozov: Cosine-Squared Pulse Transmission Through Certain Minimal Phase-Shift Four-Poles	63

PART 2 RADIO ENGINEERING Volume 24

V. F. Nesteruk: Optimality of Observation-System Strategies in a Recognition Problem (Part 3).	67
V. Andreyev and K. Neverovskiy: Letter to the Editors	70
M. V. Gitlits: Transmission of Differential Phase Shift Keyed Signals with Rotating Phase	70
G. G. Dzhevadov and I. A. Sklyarov: Spectral-Correlation Characteristics of a Binary Random Signal in the Presence of Correlation Between Successive Symbols	75
V. B. Minukhin: Spectrum of a PWM Signal in a Magnetic Recording Channel in the Presence of Velocity Oscillations of the Medium	79
V. V. Yermistov and V. M. Rozov: Distortion of the Information Content of Multi-Channel Single-Sideband Signals Owing to Peak Limiting	84

(Contd)

Available from Scripta Publishing Corporation

V.I. Chaykovskiy: Statistical Characteristics of a Stationary Random Process Interpolated by a Kotel'nikov Series	87
A.G. Orlov: Calculation of the Intrinsic Noise of a Lossy Passive Multipole from Its Scattering Matrix	92
V. Ye. Prozorovskiy: Theory of Multilayer Homogeneous Distributed-Parameter RC-Structures	96
O.N. Tereshin and V.M. Sedov: Synthesis of a Surface-Wave-Antenna Excitation System in the Form of a Slot above a Shaped-Profile Impedance Region	100
L.G. Maloratskiy: Wave Matrices of Directional Eight-Poles	105
S.I. Yevtyanov and G. Ye. Red'kin: Pulse Parameters in an Artificial-Line Modulator When the First Inductance is Shunted by a Resistance	110
L.M. Mashbits: Synthesis of Frequency-Selection Systems Using Digital Circuits	115
O.V. Golovin and I.A. Dorrer: Cross Modulation in Transistor Tuned Amplifiers	120
V.V. Pilyagin: Ideal Mixer with Image-Frequency Circuit	124
A.A. Kulikovskiy: Additions to Classical Feedback Theory	128
E.N. Khomyakov: Design of Space-and-Time Systems	132

BRIEF COMMUNICATIONS

V.V. Ovcharenko and L.I. Biberman: Tunnel-Diode Generator of Sinusoidal Oscillations Tunable Over a Wide Frequency Range	137
A.G. Senin: Optimum Detection of a Signal in Noise of Unknown Mean Value	139
V.M. Rozov and N.K. Kozhaspayev: Effectiveness of Noise-Protected Encoding in Multichannel Short-Wave Communication Systems	142
V.D. Fedorov: Some Remarks on the Synthesis of Networks Loaded by a Negative Resistance	144
Ye. Ye. Osipov: The Use of Taylor's Formula for the Analysis of Tunnel-Diode and Backward-Diode Small-Signal Detectors	147

PROBLEMS OF RADIO-ENGINEER TRAINING

S.M. Zaydel' and N.I. Baklashev: Introduction of Radio-System Optimization Methods in School Curricula and Design Work	149
--	-----

PROBLEMS OF TERMINOLOGY

A.M. Zayezdnyy: "Controversial" Symbols in Radio Engineering	151
--	-----

Available from Scripta Publishing Corporation

EDITOR'S NOTE

With the exception of certain trigonometric and hyperbolic functions, Soviet mathematical symbols are the same as those encountered in the American literature. For the reader's convenience a list of such exceptions and their American equivalents is given below.

<u>Soviet Usage</u>	<u>American equivalent</u>
Arch	\cosh^{-1}
Arcth	\coth^{-1} (ctnh ⁻¹)
Arsh	\sinh^{-1}
Arth	\tanh^{-1}
arccos	\cos^{-1} (arc cos)
arctg	\cot^{-1} (arc cot)
arcsin	\sin^{-1} (arc sin)
arctg	\tan^{-1} (arc tan)
ch	cosh
cosec	csc
ctg	cot (ctn)
cth	coth (ctnh)
rot	curl
sch	sech
sh	sinh
tg	tan
th	tanh

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Vol. 11, No. 10, pp. 2201-2486

April, 1970

CONTENTS

		PAGE	RUSS. PAGE
The Effect of Quasimetallic Centers on the Thermoluminescence of Alkali Halide Phosphors. <u>Lai Kim T'en</u>	(E)	2201	2717
Laser-Induced Surface Damage to Lithium Fluoride Single Crystals. <u>N. I. Alekseev, N. V. Volkova, T. V. Stepanova, and L. M. Shestopalov</u>	(E)	2204	2720
Structure of Argon and Neon Polycrystalline Thin Films. <u>S. I. Kovalenko and N. N. Bagrov</u>	(E)	2207	2724
Scattering of Electrons by Phonons in a Strong Radiation Field. <u>E. M. Épshtein</u>	(T)	2213	2732
Threshold Behavior of a Ferromagnet when the Fundamental Resonance Coincides with an Auxiliary Resonance. <u>L. V. Kitaev and N. N. Chelishchev</u>	(T)	2218	2739
Application of Urbach's Rule. <u>B. U. Barshechskii</u>	(T/E)	2222	2745
Nonlinear Interaction between Helicon and Sound Waves in a Solid-State Plasma. <u>A. A. Bulgakov, S. I. Khankina, and V. M. Yakovenko</u>	(T)	2226	2749
The Reason for the Different Signs of the Thermal EMF and the Hall Effect in Noble Metals. <u>Sh. Sh. Abel'skii and Yu. P. Irkhin</u>	(T)	2231	2756
Exchange Interaction in Europium Chalcogenides. <u>A. A. Berdyshev and B. M. Letfulov</u>	(T/E)	2234	2759
Electrodynamics of Planar Thin Films. <u>V. I. Skobelkin, É. A. Zhil'kov, and V. I. Puchkov</u>	(T)	2238	2764
Orientation Dependence of the Absorption of Ultrasound in Alkali Halide Crystals. <u>L. G. Merkulov, R. V. Kovalenok, and E. V. Konovodahenko</u>	(E/T)	2241	2769
Indirect Exchange in Semiconductors and the Effect of an Electric Field on It. <u>É. L. Nagaev</u>	(T)	2249	2779
Frequency Dependence of the Polaron Absorption in Conducting TiO ₂ Crystals. <u>E. K. Kudinov, D. N. Mirlin, and Yu. A. Firsov</u>	(E/T)	2257	2789
The Creep of Nickel in the Temperature Range 4.2-300°K. <u>I. A. Gindin, V. P. Lebedev, and Ya. D. Starodubov</u>	(E)	2267	2802
Form of the Energy Spectrum of Ion-Electron Emission from the Surface of Single-Crystal Films. <u>A. S. Dolgov</u>	(T)	2274	2810
Acoustic Inertial Quadrupole Resonance. <u>V. A. Golenishchev-Kutuzov, U. Kh. Kopvillem, V. R. Nagibarov, and B. P. Smolyakov</u>	(T)	2277	2813
Angular Dependence of the Products from Sputtering InSb Single Crystals with Fast Argon Ions. <u>V. M. Agranovich, O. I. Kapusta, S. Ya. Lebedev, and L. P. Semenov</u>	(E)	2280	2816

(Contd)

Available from American Institute of Physics
Vol 11, No 10, April 1970

		PAGE	RUSS. PAGE
Monomolecular Recombination Luminescence and Its Extinction by an Electric Field. <u>V. V. Antonov-Romanovskii</u>	(T)	2289	2827
Superconductivity of Metastable Gallium Phases in Porous Media. <u>V. N. Bogomolov, R. Sh. Malkovich, and F. A. Chudnovskii</u>	(E)	2295	2835
Dependence of Hardness and Length of Dislocation Rosette Ray on Indenter Load in LiF Crystals. <u>S. A. Varchenya, F. O. Muktepavel, and G. P. Upit</u>	(E)	2300	2841
A Contribution to the Theory of "Deep Levels" in Semiconductors. <u>K. B. Tolpygo</u>	(T)	2304	2846
Magnetostatic Spectrum of a Ferromagnetic Film. <u>L. V. Mikhailovskaya and R. G. Khlebopros</u>	(T)	2311	2854
Phonon Heating in a Semiconductor having a Low Effective Electron Mass <u>T. M. Gasymov</u>	(T)	2314	2858
Electrical Conductivity of p-Ge in a Strong Magnetic Field. <u>É. Normantas</u>	(T)	2318	2863
Mössbauer Effect for Fe^{57} Nuclei in $Bi_2Fe_4O_9$. <u>V. A. Bokov, G. V. Novikov, V. A. Trukhtanov, and S. I. Yushchuk</u>	(E)	2324	2871
Phonons in the Field of a Strong Electromagnetic Wave. <u>É. M. Épshtein</u>	(T)	2327	2874
Experimental Determination of Temperature at a Copper-Nickel Boundary by Means of the Thermo-emf. <u>O. I. Buzhinskii and S. V. Samylov</u>	(E)	2332	2881
Critical Current in Two-Band Superconductors. <u>A. A. Golub and M. K. Kolpazhiu</u>	(T)	2337	2887
Temperature Dependence of Line Intensity in Quasi-Line Fluorescence Spectra. <u>R. I. Personov and V. V. Solodunov</u>	(E)	2340	2890
Study of the Dynamics of Group V Transition-Metal Hydrides by Means of Inelastic Neutron Scattering. <u>N. A. Chernoplekov, M. G. Zemlyanov, V. A. Somenkov, and A. A. Chertkov</u>	(E)	2343	2894
Thickness of the Surface Layer Participating in Thermally Stimulated Electron Emission from CsBr Phosphor Crystals. <u>A. A. Persinen, I. A. Vasil'ev, and G. A. Mikhail'chenko</u>	(E)	2350	2902
Quasilocal Vibrations Induced by Electron Transitions. <u>N. M. Aminov and B. I. Kochelaev</u>	(T)	2354	2906
Contribution of Longitudinal Acoustic Lattice Vibrations to the Nonlinear Susceptibility of Crystalline Media. <u>Yu. V. Shaldin</u>	(E/T)	2357	2910
Mobility of the Dislocations in Gamma-Irradiated Sodium Chloride Crystals. <u>G. A. Ermakov and É. M. Nadgornyi</u>	(E)	2362	2916
Instability of Monochromatic Spin Waves. <u>V. E. Zakharov, V. S. L'vov, and S. S. Starobinets</u>	(T)	2368	2922
Quantitative Investigation of the Optical and Dielectric Properties of Single Crystals having the Structure of $LiNbO_3$ and $BaTiO_3$. <u>L. B. Meisner and I. S. Rez</u>	(T)	2374	2931
Some Average Characteristics of Thin-Layer Crystalline Media. <u>A. A. Demidenko</u>	(T)	2381	2939
Effect of Phonon Heating in a Strong Electric Field on "Electron Runaway". <u>T. M. Gasymov and L. É. Gurevich</u>	(T)	2386	2946
Instability of Spin Waves in Ferromagnetic Disks. <u>V. P. Lukomskii and A. V. Kuz'ko</u>	(T)	2390	2951
Mechanism for Glass Destruction by the Radiation from Ruby and Neodymium Lasers (Free-Generation Mode). <u>M. G. Gangardt, A. Z. Grasyuk, and I. G. Zubarev</u>	(E/T)	2397	2960
Scattering of Electrons by Neutral Donors in Semiconductors. <u>L. E. Blagosklonskaya, E. M. Gershenson, Yu. P. Ladyzhinskii, and A. P. Popova</u>	(T/E)	2402	2967

(Contd)

		PAGE	RUSS. PAGE
Scattering of Light in Antiferromagnets Near a Phase Transition.			
V. M. Genkin	(T)	2406	2972
Determination of the Work Function by Electrochemical Measurements.			
Yu. Ya. Gurevich	(E)	2409	2976
Anomalous Changes of Some Properties of Boron. A. D. Bigvava, Sh. Z. Dzhamagidze, É. D. Kunchuliya, S. S. Moiseenko, and R. R. Shvangiradze	(E)	2413	2981
Theory of Radiationless Transitions. E. D. Trifonov and V. L. Shekhtman	(T)	2415	2984
BRIEF COMMUNICATIONS			
Dissipative Features of Magnetic Disaccommodation in Ferrites.			
L. B. Rozenbaum	(E/T)	2421	2992
Lowering of the Phase Transition Temperature in Heavily Reduced BaTiO ₃ Crystals. É. V. Bursian and É. N. Starov	(E/T)	2423	2994
Mechanism of Luminescence Quenching by an External Electrical Field in Alkali Halide Phosphor Crystals. V. A. Grigorev, V. K. Lyapidevskii, and I. M. Obodovskii	(E/T)	2425	2996
Effect of Hardening on the Absorption of Ultrasound in Aluminum.			
L. G. Merkulov, I. I. Nikolaesku, and L. A. Yakovlev	(E)	2428	2999
Thermally Stimulated Conductivity of Photosensitive CdSe Films.			
I. A. Karpovich and M. A. Rizakhanov	(E)	2430	3001
Radiative Recombination at the Surface of Cadmium Sulfide Single Crystals.			
I. B. Ermolovich, G. P. Peka, and M. K. Sheinkman	(E)	2432	3002
Carrier Scattering Mechanism in Antimony. N. A. Red'ko, M. S. Bresler, and S. S. Shalyt	(E)	2435	3005
Study of Optical Phenomena Associated with the Condensation of Excitons in a Germanium Crystal. E. F. Gross, A. V. Il'inski, B. V. Novikov, and N. S. Sokolov	(E)	2437	3007
Influence of a Strong Acoustic Pulse on the Velocity of Small-Amplitude Sound in Cadmium Sulfide. A. M. D'yakonov and Yu. V. Lisavskii	(E)	2440	3010
Plasma-Acoustic Resonance in Piezoelectrics. I. A. Gilinski	(T)	2443	3012
The Transport Phenomenon in Dilute Bi-Sn Alloys. V. S. Voloshin, G. A. Ivanov, and Yu. N. Saraev	(E)	2445	3014
A Model Pseudopotential and the Stability of the Crystal Structures of Some Simple Metals. Z. A. Gurskii and G. L. Krasko	(T/E)	2447	3016
Amplification of Lamb Waves by a Transverse Electric Field. I. Ya. Kuchero and I. V. Ostrovskii	(E)	2449	3019
The Magnetic Susceptibility of Solid Solutions of Zirconium and Niobium Monocarbides. L. B. Dubrovskaya, A. S. Borukhovich, P. V. Gel'd, I. I. Matvienko, L. V. Kudryasheva, and S. S. Ordan'yan	(E)	2451	3021
Critical Field Intensity for the Breakdown of Solid Dielectrics.			
G. A. Vorob'ev	(T)	2454	3023
Infrared Luminescence and Two-Electron Transitions in Silicon Carbide.			
I. S. Gorban' and Yu. M. Shvaidak	(E)	2456	3025
Electrical Resistance of Ferromagnetic Semiconductors Near the Curie Temperature. I. Ya. Korenblit and Yu. P. Lazarenko	(T)	2458	3028
Stimulated Brillouin Scattering and Fracture in Quartz by Laser Radiation.			
V. A. Pashkov and N. M. Solov'eva	(E/T)	2460	3030
Mössbauer Effect for Iron Impurities in Co ₃ O ₄ . A. A. Efimov, V. T. Shipatov, and P. P. Seregin	(E)	2462	3032
Electric Nuclear Resonance of Al ²⁷ in Polycrystalline Aluminum.			
Kh. G. Bogdanova, V. A. Golenishchev-Kutuzov, and U. Kh. Kopvillem	(E)	2464	3034
Conversion of the Acoustic Noise Frequencies of a Piezoelectric Semiconductor in the Ultrasonic Amplification Mode. V. K. Komar' and B. L. Timan	(E)	2466	3035
Available from American Institute of Physics			(Contd)
Vol 11, No 10, April 1970			

		PAGE	RUSS. PAGE
Dependence of the Electric Breakdown Field on the Thickness of Plasma-Activated Aluminum Oxide Films. <u>V. K. Korzo</u>	(E)	2469	3038
Kinetics of the Photomechanical Effect. <u>N. Ya. Gorid'ko, P. P. Kuz'menko,</u> and <u>N. N. Novikov</u>	(E)	2471	3041
Temperature-Frequency Dependence of the Ultrasonic Absorption Coefficient and Elastic Constants of a Thallium Selenide Single Crystal. <u>Kh. M. Khalilov, Sh. O. Orudzheva, and K. I. Rzaev</u>	(E)	2473	3043
Thermal Diffusivity and Thermal Conductivity of Vanadium at High Temperatures. <u>V. E. Zinov'ev, R. P. Krontsis, and P. V. Gel'd</u>	(E/T)	2475	3045
Effect of Impurities on the Polarization of NaCl Crystals in a Shock Wave. <u>Yu. N. Tyunyaev, V. N. Mineev, A. G. Ivanov, and</u> <u>E. Yu. Gutmanas</u>	(E)	2478	3048
Lattice Constant and Volume Expansion Factor Dependence on Isotope Composition. <u>Y. M. Balkov, G. Ya. Ryskin, Yu. P. Stepanov,</u> <u>A. V. Sabashiev, I. Ya. Korenblit, and A. A. Klochikhin</u>	(E)	2480	3050
Change of Critical Temperatures of Superconducting Metals in Porous Glasses and in Films. <u>V. N. Bogomolov, R. Sh. Malkovich, and</u> <u>F. A. Chudnovskii</u>	(T)	2483	3053

Available from American Institute of Physics
Vol 11, No 10, April 1970

SOVIET PLANT PHYSIOLOGY

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Volume 16, Number 5

September-October, 1969

CONTENTS

Engl./Russ.

Temperature Dependence of Final Stages of Chlorophyll Metabolism in the Green Plant -A. A. Shlyk, V. I. Gaponenko, G. N. Nikolaeva, E. M. Stanishevskaya, T. V. Lositskaya, and S. N. Shevchuk	643	773
Protein Swelling as the Cause of Volume Changes in Chloroplasts-V. M. Ivanenko and S. S. Kruchinina	649	780
The Localization and Properties of Hexokinase from Sugar Beet Vascular Tissue and Its Possible Connection with Hexose Transport across Plant Membranes -A. L. Kursanov, S. V. Sokolova, and M. V. Turkina	654	786
Phosphorus Metabolism and Respiration of Corn Seeds of Various Vitality-D. M. Sedenko and K. E. Ovcharov	661	799
Kinetics of the Photoperiodic Process-A. F. Kleshnin and N. N. Bogomolova	665	800
Nonidentity of Protein and Enzyme Systems as a Factor in the Physiological Incompatibility of Apple Trees during Crossing and Grafting-V. I. Safonov and A. E. Veidenberg	673	810
Carotene Content in Cucumber Generative Organs and Fructification after Artificial Pollination of Flowers of Different Tiers-I. P. Gornitskaya	682	819
Effect of Natural and Synthetic Inhibitors on Various Forms of Growth-R. Kh. Turetskaya, V. I. Kefeli, and S. A. Saidova	686	825
Method of Comparative Determination of Growth Regulators in Diseased Apple Trees -P. A. Vlasjuk, K. D. Karakis, and E. V. Rudakova	692	832
Interaction of Some Plant Growth Regulators with Cysteine-K. S. Bokarev and N. O. Chertok On the Content of Free Auxins in Separate Parts of the Fruit of <i>Papaver somniferum</i> L. -V. É. Pontovich and G. M. Kuz'mina	697	838
Bioelectric Response of Corn Coleoptile Segments to Unilateral Auxin Treatment -V. V. Polevoi, L. M. Osharova, L. A. Leonova, G. B. Maksimov and E. S. Poberezhnyi	701	843
Physiological and Morpho-Anatomical Changes in Plants Depending on the Site of Application of Gibberellin-G. N. Firsanova and G. M. Zhivukhina	709	854
Effect of Retardant Chlorocholine Chloride (CCC) on Nitrogen Metabolism of Plants -N. N. Kharanyan	715	861
Plant Growth and Water and Mineral Element Supply under Conditions of NaCl Salinization-V. A. Solov'ev	718	865
Polyphenol Content in Chlorosis Induced by Iron Deficiency-L. I. Rastorgueva and L. K. Ostrovskaya	722	870
The Effect of Iodine, Bromine, and Chlorine on the Content of Amino Acids in Plants -V. F. Portyanko, I. I. Lyzhenko, and V. V. Portyanko	728	877
Influence of Zinc on the Content of Phosphorus Compounds in Grape Plants -O. K. Dobrolyubskii and I. V. Fedorenko	735	885
Anabiosis with Desiccation of the Poikiloxerophytic Flowering Plant <i>Myrothamnus</i> <i>flabellifolia</i> -P. A. Genkel' and N. D. Pronine	739	890
Effect of Organic Acids on the State of Water in Plant Cells-V. D. Roshchina	745	896
	750	902

(Contd.)

Available from Consultants Bureau

(continued)

Engl./Russ.

Investigation of the Ice Formation Process in Plants by Measuring Heat Evolution -I. I. Tumanov, O. A. Krasavtsev, and T. I. Trunova	754	907
Microscopic Study of Ice Formation in Lemon and Tea Plant Tissues-G. A. Samygin and D. Sh. Bliadze	761	917
Change of the Protein Complex of Winter Wheat under the Effect of Negative Temperatures -V. A. Babenko, S. V. Biryukov, and A. G. Inkina	765	921
BRIEF COMMUNICATIONS		
The Effect of Ultraviolet Irradiation of Seeds and Seedlings on Vitamin B Content in the Leaves-A. P. Dubrov	769	926
Cytological Characterization of Palisade Parenchyma of Leaves of Co-Chlorotic Food Bean Plants-B. A. Yagodin and G. F. Khailova	773	929
The Effect of Morphactins and Chlorocholinechloride (CCC) on Growth of Wheat Seedlings -L. D. Prusakova and A. P. Dmitruk	776	932
On the Dynamics of Flavonoids in the Roots of <i>Lupinus luteus</i> L.-A. P. Volynets, S. M. Mashtakov, and N. A. Laman	779	934
Gibberellin-Like Substances in Young Cones and Pollen of Scotch Pine Trees-I. Yu. Ivonis	782	937
PRACTICAL APPLICATIONS		
Physiological Method of Establishing Irrigation Rates for Agricultural Crops -L. A. Filippov	785	940
On the Prolonged Use of Ceramsite in Hydroponic Cultivation of Plants-I. V. Tsvetkova, V. P. Zamota, E. V. Maksimova, and L. A. Filatkina	789	946
METHODS		
Instrument for Freeze-Drying Tissues-V. L. Voznesenskii and L. A. Filippova	793	951
REVIEWS		
V. N. Zholkevich. Energetics of Respiration in Higher Plants Suffering a Moisture Deficiency-Reviewed by A. A. Prokofiev	795	954
CHRONICLES		
Anatolii Aleksandrovich Nichiporovich: On His 70th Birthday	798	957

Available from Consultants Bureau

The Russian press date (podpisano k pechatu) of this issue was 9/3/1969.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

GEOMAGNETIZM I AERONOMIYA

Vol 14, No 5, 1969

	English Page	Russian Page
Vo Hong An and B.A. Tverskoy: Equilibrium Configurations of a Plasma in the Magnetic Field of a Two-Dimensional Dipole. II	641	793
M.V. Semokhin: Motion of a Plasma near the Axis of Symmetry Inside the Magnetosphere	645	798
Yu.I. Stozhkov and T.N. Charakhch'yan: 11-Year Modulation of Cosmic-Ray Intensity and the Helio-latitudinal Distribution of Spots	649	803
L.I. Dorman, N.S. Kammer, and T.V. Kebabdzhe: Dependence of the Increase before Forbush Decreases on the Energy Spectrum of Cosmic Rays	653	808
P. Velinov, L.I. Dorman, and G. Nestorov: Influence of Forbush Effects on the State of the Cosmic Layer in the Lower Ionosphere	656	813
A.V. Gurevich and Ye. Ye. Tsedulina: Nonlinear Dynamics of Fast-Electron Inhomogeneities in the Magnetosphere	660	818
V.D. Gusev and G.K. Vlasova: Fluctuations in the Direction of Propagation of Electromagnetic Waves in a Turbulent Gyrotropic Medium	668	828
L.M. Yerukhinov and V.Yu. Trakhtengerts: Some Effects of Radio Wave Scattering in the Ionosphere. I.	673	834
G.V. Fedorovich: Concentration Waves in the Ionosphere	679	842
V.V. Vas'kov: Radio Wave Scattering on the Trail of a Body Moving in the Ionosphere near the Caustic Curve	683	847
A.S. Besprozvannaya and L.A. Yudovich: Cyclic Variations of Anomalous F_2 -Layer Ionization in the Vicinity of the Geomagnetic Pole	691	856
O. Ovezgel'diyev and K. Kelov: Dependence of the Frequency Characteristics of the E_s -Layer on the Technical Parameters of the Equipment	694	860
V.V. Koltsov: Determination of Virtual Reflection Heights from Oblique Sounding Data	698	865
V.M. Dratsky: Noon Recovery of Polar-Cap Absorption	702	870
L.L. Goryshnik, Yu.A. Kravtsov, I.Ya. Tomashuk and B.V. Fomin: Polarization of Auroral Radio Reflection Signals	704	873
A.M. Novikov and Yu.G. Shafer: Bremsstrahlung of Hard Electrons during Intense Auroras	709	880
Yu.A. Nadubovich: Width of Band-Shaped Auroral Forms	714	887
M.N. Vlasov: Distribution of Excited Molecules $O_2(A^1\Sigma_u^+)$ in the Upper Atmosphere	719	894
V.I. Afanas'yeva: Geomagnetic Storm Families from 1957 to 1964 III. Relationship between Geomagnetic Activity and Various Manifestations of Solar Activity	723	899
I.I. Rokityansky: Experience in Magnetic Variation Sounding at Low Latitudes	726	903
BRIEF COMMUNICATIONS		
K.G. Ivanov: Variability and Traveltime of the Geophysically Effective Flux of Interplanetary Plasma Responsible for the Magnetospheric Storm of April 17-19, 1965	732	913
L.L. Van'yan and L.A. Abramov: Influence of the Inclination of Geomagnetic Lines of Force on the Propagation of Guided Hydromagnetic Waves in the Lower Ionosphere	733	914
L.L. Van'yan and V.A. Yulovich: Scattering Cone of Hydromagnetic Waves Guided by the Magnetic Field	736	917
V.P. Bizunov and I.K. Zykov: Results of Calculation of Ionization of the Atmosphere by Beta Particles from the Decay of Fission Products	738	920
V.A. Danilin and A.N. Kazantsev: Influence of the Ionosphere on Radio Astronomic Observations from Satellites	740	922
N.P. Ben'kova, G.V. Bukin, L.Ye. Kolokolov, M. Lafaille, C. Taleb and G. Faynot: Dynamics of Magnetically Conjugate Regions in the F_2 -Layer of the Ionosphere	742	923
N.M. Grosheva and V.V. Pisareva: Influence of Magnetic Declination on the Behavior of the F_2 -Layer and Relationships between Critical Frequencies, f_oF_2 , at Two Magnetically Conjugate Points	744	926
L.P. Goncharov and L.A. Shechepkin: Estimate of the Ratio of Dissociative Recombination Coefficients $\alpha_{O_2^+}$ and α_{NO^+} According to Two Rocket Experiments	745	928
L.P. Goncharov and L.A. Shechepkin: Estimate of Ionospheric Reaction Coefficients that Correlate the Equatorial N(h) Profile and Jacchia's Model of the Neutral Atmosphere	747	929
G.M. Khocholava: Fluctuations of the Quiet Ionosphere at Middle Latitudes	749	931
O. Ovezgel'diyev and K. Kelov: A Method of Studying the Frequency Dependence of ρE_s	751	933
V.N. Zakharov, E.S. Kazimirovskiy and V.D. Kokorov: Measurement of Horizontal Ionospheric Drifts at Two Neighboring Stations	752	935
O.A. Mal'tseva: Method of Correcting the N(h) Profiles of the F-Region with Allowance for a "Valley"	753	936
Yu.A. Nadubovich: Characteristics of Fragmentary Formations of Bandlike Auroras	755	938
M.N. Vlasov: Concentrations of Excited $O_2(^1\Delta_g)$ Molecules in the Upper Atmosphere	757	940
Ye.I. Fialko: Meteor Radioelectronics and Its Subdivisions	759	942
R.G. Afonina and Ya.I. Fel'dshteyn: Latitudinal Distribution of the Field of Polar Magnetic Disturbances at Night and in the Evening	761	944
A.K. Ompev, N.B. Pivovarov and V.G. Pivovarov: Relationship between Magnetic Disturbances and Particle Injection on the Night and Day Sides of the Polar Zone	762	946
V.I. Afanas'yeva: Geomagnetic Storm Families from 1957 to 1964 IV. Families of Sudden-Commencement Geomagnetic Storms	764	947
B.G. Barakshov, V.V. Gurzhiy and B.G. Kalyadin: Device for Synchronizing the Sweep of Oblique Sounding Equipment	765	948
Yu.A. Burtsev: Magnetic Method of Changing the Moment of the Restoration Forces of Oscillating Systems	766	950
Yu.A. Burtsev: Influence of the Induced Magnetization of a Sample on the Scale Value of an Astatic Magnetometer	767	951
V.N. Bobrov and N.D. Kulikov: Instrument for Determining the Magnetic Properties of Weakly Magnetic Materials	769	952
V.N. Bobrov: Long-Period Galvanometer	770	954
CHRONICLE		
Yu.D. Kalinin: International Reference Geomagnetic Field of the 1965.0 Epoch Working Group No. 4 Commission No. 2 of the International Association of Geomagnetism and Aeronomy	772	956

Available from American Geophysical Union

CONTENTS

	Page	
	English	Russian
.....	655	1109
.....	655	1162
.....	655	1111
.....	651	1132
.....	657	1143
.....	658	1160
.....	675	1172
.....	678	1179
.....	686	1191

SHORT COMMUNICATIONS

.....	694	1205
.....	699	1212
.....	701	1215
.....	704	1219
.....	707	1223

CHRONICLE

.....	709	1227
.....	711	1229

Available from The American Geophysical Union

CONTENTS

	Page	
	English	Russian
V.E. FADAYEV, Diffusion-Creep in the Mantle of the Earth	611	3
YU. V. RIZNICHENKO, K. V. PSHENNIKOV AND YU. A. ZORIN, The Seismic Activity of the Baykal Region in Relation to Its Relief and Gravitational Anomalies	615	10
S. I. PEREL'MAN, The Isolation of Random Components in Geophysical Observations	625	28
M. N. BERDICHEVSKIY, V. P. BORISOVA, V. P. BUBNOV, L. L. VAN'YAN, I. S. FELDMAN AND I. A. YAKOVLEV, Anomaly of the Electrical Conductivity of the Earth's Crust in Yakutiya	633	43
O. F. PUTIKOV, On the Possibility of Temperature Measurement of Rock in Very Deep Boreholes	638	50
SCIENTIFIC COMMUNICATIONS		
I. K. KONTRAT'YEV AND T. S. KEDROVA, Selection of Signal Form for Inverse Filtration of Seismic Traces	644	61
V. M. GUR'YANOV, On the Equalization of Travel Times of Seismic Waves	650	70
N. V. LIPSKAYA, Role of the Vertical Component of the Geoelectric Field in Magnetotelluric Sounding	653	74
T. L. CHELIDZE, The Effect of Surface Polarization on the Electrical Properties of Rocks in Variable Fields	658	80
YU. D. TROPIN AND E. K. YAKUBAYLIK, On the Problem of the Time-Dependence of the Effective Magnetic Viscosity Field	664	88
O. F. PUTIKOV, Temperature Distribution in Rocks Around the Drill Head During the Sinking of a Borehole	666	91
CHRONICLE		
E. S. BORISEVICH, Development and Production of Seismic Instruments in Japan	670	96

Available from The American Geophysical Union

CONTENTS

	Page	
	English	Russian
I. V. GORBUNOVA, A Maximum-Earthquake Map for the Northern Tien Shan	675	3
E. P. TSVETKOV, The Spatial Relations between Earthquakes of Various Energies	681	15
S. A. NAKHAMKIN, Fan Filtration	686	24
I. M. MUZYKA, Effect of the Profile Features upon the Intensity of Multiply-Reflected Waves (According to Data of Vertical Seismic Profiling)	692	36
M. N. BERDICHEVSKIY AND L. L. VAN'YAN, Prospects for Deep Magnetotelluric Sounding in Bodies of Water	701	51
V. A. SIDOROV, Method of Electrical Prospecting of Stratified Sections Based on the Study of Nonstationary Fields near the Source	705	57
V. I. BAGIN, S. YU. BRODSKAYA, G. N. PETROVA AND D. M. PECHERSKIY, Study of the Phase Composition of the Ferromagnetic Fraction of Basalts	710	66
SCIENTIFIC COMMUNICATIONS		
A. Z. KATS, Seismic Microzoning under Conditions of a Two-Layer Model for the Ground	716	77
I. N. GALKIN, N. A. DOLBILKINA AND V. I. MYACHKIN, The Accuracy of Amplitude Measurement in Seismic Research at Sea	721	85
N. M. AL'TGAUZEN (ALTHAUSEN), Dispersion Equation for Normal Waves in Gyrotropic Media	725	90
O. F. PUTIKOV, The Disturbance of the Thermal Regime in Rocks by the Drilling of Very Deep Boreholes	728	94
BOOK REVIEWS		
G. YA. CHERNYAK, Review of "Electrical Phenomena in Rocks" by E. I. Parkhomenko	732	101

Available from The American Geophysical Union

Table of Contents

Transactions of the Nineteenth Annual Conference on Nuclear Spectroscopy and
Nuclear Structure

	Page	Orig. Trans.
Two-particle 5^- and 7^- levels in even-even isotopes of tellurium and platinum - B.S.Dzhelepov, L.K.Peker & V.D.Vorob'ev	562	521
The $(^6\text{Li},d)$ and $(^7\text{Li},t)$ reactions on ^{12}C - V.Z.Gol'dberg, V.V.Davydov, A.A.Ogloblin, S.B.Sakuta & V.I.Chuev	566	525
The $(^6\text{Li},d)$ and $(^7\text{Li},t)$ reactions on ^{16}O - V.Z.Gol'dberg, V.V.Davydov, A.A.Ogloblin, S.B.Sakuta & V.I.Chuev	579	536
The $(^6\text{Li},d)$ and $(^7\text{Li},t)$ reactions on ^{20}Ne , ^{24}Mg , ^{28}Si and ^{40}Ca - V.Z.Gol'dberg, V.V.Davydov, A.A.Ogloblin, S.B.Sakuta & V.I.Chuev	586	542
Study of the $(^6\text{Li},\alpha)$ reaction on ^{16}O and ^{24}Mg - V.V.Davydov, A.A.Ogloblin, S.B.Sakuta & V.I.Chuev	597	551
Study of the $(^7\text{Li},\alpha)$ reaction on ^9Be and ^{12}C - Yu.A.Glukhov, B.G.Novatskii, A.A.Ogloblin, S.B.Sakuta & D.N.Stepanov	601	554
Study of the $(^7\text{Li},\alpha)$ reaction on ^{16}O , ^{24}Mg , ^{27}Al and ^{28}Si - Yu.A.Glukhov, B.G.Novatskii, A.A.Ogloblin, S.B.Sakuta & S.N.Stepanov	609	561
Excitation of $T = 3/2$ analog states in the $(^3\text{He},n)$ reaction - O.D.Brill', A.D.Vongal & A.A.Ogloblin	615	567
Angular correlations of linearly polarized cascade photons - G.A.Lobov	618	569
The anomalous rotational band of the Davydov-Chaban model and "spherical" even-even nuclei - A.V.Aldushchenkov, N.A.Voinova & L.K.Peker	621	572
Nature of the low-lying excited states of ^{151}Pm - N.A.Voinova, A.I.Egorov, Yu.V.Kalinichev & A.G.Sergeev	626	576
Conversion electrons from ^{160}Ho decay and levels in ^{160}Dy - E.P.Grigor'ev, K.Ya.Gromov, Zh.T.Zhelev, T.A.Islamov, V.G.Dalinnikov, U.K.Nazarov & S.S.Sabirov	635	585
Radiation of ^{106}mRh and levels in ^{106}Pd - N.M.Anton'eva, E.P.Grigor'ev & L.F.Protasova	649	599
Anomalous behavior of hole levels in the (d,p) reaction - V.F.Litvin, Yu.A.Nemilov & L.V.Krasnov	658	607
Four-particle proton levels of the $(1g_{9/2})^3(2p_{1/2})^1$ type - L.K.Peker	661	609
On the static quadrupole moments of the first 2^+ levels in spherical nuclei - B.L.Birbrair	665	613
A large magnetic spectrometer for conversion electrons emitted in (n,γ) reactions - Yu.N.Panin, V.I.Pelekhov & T.I.Turguntaev	670	617

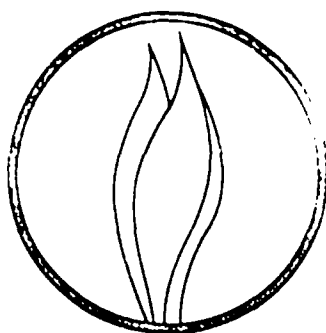
Transactions of the Eighteenth Annual Conference on Nuclear Spectroscopy and
Nuclear Structure

Determination of partial thicknesses of composite targets - I.Ya.Malakhov, A.S.Deineko & G.B.Andreev	676	624 (Contd)
--	-----	----------------

Available from Columbia Technical Translations

On the possibility of delayed 3He and 3H decay of nuclei - E.E.Berlovich & Yu.N.Novikov	679	626
Use of an electron storage ring in experiments on electroexcitation of nuclei - V.G.Zelevinskii, D.M.Nikolenko, S.G.Popov & G.M.Tumaikin	686	632
Mössbauer-induced nuclear interference of gamma rays in crystals - V.A.Belyakov & Yu.M.Aivazyan	690	636
Analysis of the $^{241}\text{Am}(n,\gamma)^{242\text{m}}\text{Am}$ reaction - Kh.Yungclaussen & A.A.Pleve	695	641
Photonuclear cross sections of ^{90}Zr and ^{91}Zr - G.P.Antropov, I.E.Mitrofanov, A.I.Prokof'ev & V.S.Russkikh	700	645
Inelastic scattering of protons on ^{26}Mg nuclei - A.A.Koval', E.G.Kopanets, Yu.P.Ievlev & S.P.Tsytko	704	648
Analog states in ^{35}Cl - E.G.Kopanets	711	655
A new study of ^{181}Hf decay - V.A.Klyucharev, Yu.N.Rakivnenko, V.P.Bozhko, E.A.Skakun, Yu.V.Golovchenko & I.A.Romanii	714	657
Comparative measurements of the characteristic K radiation from ^{233}U fission - Yu.P.Davydov, S.M.Solov'ev & V.P.Eismont	718	661
Photodisintegration of ^6Li and ^7Li by 12 MeV bremsstrahlung - Yu.I.Sorokin, A.Kh.Shardanov, V.G.Shevchenko & B.A.Yur'ev	721	663
The $^{233}\text{U}(d, pf)$ reaction at various deuteron energies - M.F.Andreev, V.I.Serov, V.A.Zavgorodnii & V.A.Pereshivkin	726	668
Direct and inverse photonuclear reactions on ^{15}N and ^{15}O - M.A.Zhusupov & R.A.Eramzhyan	730	672
Escape of recoil nuclei in reactions with high energy particles - E.E.Berlovich & V.K.Tarasov	738	679
Fine structure of the energy spectra of fragments from thermal- neutron fission of ^{235}U - I.A.Baranov, A.N.Protopopov & B.M.Shiryaev	741	682

Available from Columbia Technical Translations



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Contents

Volume 10, Number 2 · February 1967

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ANTENNAS AND ANTENNA DEVICES: THE STATE OF THE ART

	Russian page	English page
From the Editor. Professor M. S. Neiman.	91	69
Description and Experimental Study of a Two-Reflector Antenna with Automatic Phasing. A. L. Aizenberg, L. N. Deryugin, and M. G. Kuznetsov	93	70
The Gain of Convex High-Directional Antennas. D. I. Voskresenskii and V. S. Filippov	103	77
Radiation Patterns of Annular Slots on Conical Conducting Surfaces. D. I. Voskresenskii and L. I. Ponomarev.	113	85
Bandwidth of Highly-Directional Arc Antenna Arrays. D. I. Voskresenskii and A. I. Gudzenko	127	95
Properties of Asymmetrical Plane Dielectric Waveguides with Dielectric Base Layers. L. N. Deryugin, A. N. Marchuk, and V. E. Sotin	134	100
Analysis of Fresnel-Zone Radiation as a Means of Studying the Phase Distribution in a Laser Aperture. A. P. Pichugin and A. V. Chekan	143	106
Calculation of the Dimensions of the Effective Radiation Zone of Conical Spiral Antennas. A. B. Goroshchenya.	150	111
A Frequency-Scanning Array of Radiators on a Convex Curve. D. I. Voskresenskii and R. A. Granovskaya.	157	116
Experimental Study of a One-Dimensional Array of Rectangular Waveguides. V. N. Gurnennyi, V. V. Martsafei, and T. A. Tsaliev.	170	125
The Effect of Coupling Between Radiators on the Operation of Antennas with Branched Feed Systems. A. V. Vitko	178	132
Brief Communications		
Angular Errors in Antennas Whose Housings are Aerodynamically Heated. E. A. Vorob'ev	197	145
Discrete Notation for the Radiation Pattern of an Antenna Array. A. I. Gudzenko.	199	146

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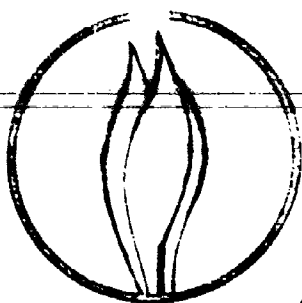
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Contents

Volume 10, Number 2 • February 1967

Editorial Board

Izvestiya VUZ Radiofizika

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Precision Absolute Measurements of the Radiation Flux from

the Discrete Sources Taurus-A and Cassiopeia-A and
of the Atmospheric Absorption of Radio Waves at $\lambda =$

≈ 5.28 cm. D. A. Dmitrenko and K. M. Strezhneva

Russian
page

English
page

165

85

The Problem of Depolarization and the Correlation Method of Measuring the Polarization of Cosmic Radio Radia-

tion. G. G. Getmantsev and Yu. V. Tokarev

176

86

The Kinetic Theory of the Propagation of Electromagnetic Waves through a Magnetoactive Plasma Layer.

A. N. Kondratenko and I. N. Onishchenko

175

91

Two-Frequency Quadrupole Spin Echo. N. E. Ainbinder and V. S. Grechishkin

186

96

Effect of n-Level Approximation on the Calculation of Suscep- tibilities. V. N. Genkin and P. M. Mednis

192

99

Steady-State Laser Oscillations Taking Diffusion Effects into Account. E. S. Kovalenko

197

102

Possibility of Increasing Laser Frequency by Means of a Three- Photon Combination Process. V. S. Butylkin and Yu. G.

Khronopulo

203

106

Coefficients of Acoustic Nuclear Magnetic Resonance in Crystals of Trigonal Symmetry. S. B. Grigor'ev, A. M. Sazonov, and

N. V. Travin

209

109

A Method of Averaging over Stationary Waves. M. I. Rabinovich

214

112

Evaluation of the Influence of a Phase-Lock Automatic Control System on the Quality of Optimum Signal Processing in the Presence of Phase Distortions. L. P. Zachevitskaya

224

117

Ray Trajectories in a Medium with Weak Random Fluctuations of Refractive Index. V. I. Tatarskii

231

121

The Image Method in the Electrodynamics of Continuous Media. V. E. Pafomov

240

126

(Continued)

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IZVESTIYA VUZ RADIOFIZIKA
Vol 10, No 2, 1967

	Russian page	English page
Characteristics of an Impedance Strip Situated on a Half-Plane. B. M. Petrov	254	133
Passage of a Surface Wave through a Nonuniform Section of a Single-Conductor Transmission Line. I. Method of Investigation. V. V. Shevchenko	260	137
Passage of a Surface Wave through a Nonuniform Section of a Single-Conductor Transmission Line. II. Solution and Results for a Thin Conductor. V. V. Shevchenko	267	141
Diffraction Field in the Illuminated Region. B. E. Kinber and R. Kh. Khestanov	274	145
Reflection and Transmission of Electromagnetic Waves Incident on a Moving Dielectric Slab. S. N. Stolyarov	284	151
Brief Communications and Letters to the Editors		
Microwave Diagnostics of a Plasma Jet. S. D. Il'in, V. M. Likhachev, S. S. Petrusev, and A. V. Chernetskii.	289	154
Measurements of the Dielectric Constant of Water at a Wavelength of 0.85 mm. A. I. Khvostova.	292	156
Mixing of Ruby and Neodymium Laser Light. N. N. Belyaeva, V. A. Demidov, and M. A. Novikov.	294	158
Effect of Acoustic Vibrations on the Nonlinear Properties of Crystals. V. N. Genkin, A. F. Dite, and V. M. Fain	296	159
Suppression of Off-Axis Modes in Open Resonators with Broad Wave Beams by Combination Selection. V. I. Talanov	298	160
Letter from V. V. Shevchenko	300	162

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Soviet Physics
CRYSTALLOGRAPHY

A Translation of "Kristallografiya"

(Russian Original Vol. 14, No. 5, pp. 769-960, September-October, 1969)

Vol. 14, No. 5, pp. 669-838

March-April, 1970

CONTENTS

		PAGE	RUSS. PAGE
Symmetry of Epitaxial Textures. V. A. Mokievskii and Yu. M. Chashchinov. .	(E)	669	773
Interaction of Nonparallel Dislocations in an Anisotropic Medium. S. S. Orlov and V. L. Indenbom.	(T)	675	780
Calculation of the Spectrum of Small Vibrations and Characteristic Temperature of Crystalline Naphthalene. A. I. Kitaigorodskii and E. I. Mukhtarov	(T)	678	784
Close and Closest Packings from Quasi-Spherical Particles. Yu. A. Kharitonov, É. A. Kuz'min, V. V. Ilyukhin, and N. V. Belov	(T)	682	788
Structural Transformations in Synthetic MoS ₂ . A. N. Zelikman, G. V. Indenbaum, M. V. Teslitskaya, and V. P. Shalankova	(E)	687	795
Electron-Diffraction and X-Ray-Diffraction Investigation of Atomic Displacements in the Ferromagnet Pb(Fe _{0.5} , Nb _{0.5})O ₃ . G. L. Platonov, L. A. Drobyshev, Yu. Ya. Tomashpol'skii, and Yu. N. Venevtsev	(E)	692	800
Anomalous Thermal Expansion of ZrO ₂ and HfO ₂ over the Range 20-1200°C. S. K. Filatov and V. A. Frank-Kamenetskii.	(E)	696	804
Effect of Torsional Oscillations and Hindered Molecular Rotation on the Spin-Lattice Relaxation Time of Nuclear Quadrupole Resonance in Molecular Crystals. P. Sh. Lotfulin and G. K. Semin.	(T)	700	809
Configuration of d ³ (d ⁵)-Electrons in a Monoclinic Field. T. F. Veremeichik and D. T. Sviridov	(T)	704	814
Interpretation of Optical Activity in Crystals of Salts of Dithionic Acid with Monovalent Cations. Z. B. Perekalina and N. L. Smirnova	(T/E)	708	820
The Thermal Expansion of Potassium Dihydrogen Phosphate in the Vicinity of the Ferroelectric Phase Transition. A. A. Bolko and Liu Tan Fat.	(E)	712	825
Statistical Investigation of Slip Line Pairs in LiF Single Crystals. V. M. Borzhkovskaya	(T/E)	716	829
Diffraction Topography by Scanning with a Wide X-Ray Beam. V. G. Lyuttsau and Yu. M. Fishman.	(E)	720	835
The Polarization of X Rays by Real Crystals and the Determination of Their Mosaic Structure. N. M. Olekhovich	(T/E)	724	840
Defect Decoration and Increased Radiation Resistance in Quartz. A. A. Shternberg, L. A. Gordienko, and L. I. Tsinober	(E)	728	845 (Contd)

Available from American Institute of Physics
Vol 14, No 5, 1970

KRISTALLOGRAFIYA
Vol 14, No 5, 1969

		RUSS. PAGE PAGE
The Microblock Structure of Hydrothermal Crystals of Corundum. Y. N. Voitsekhovskii, P. I. Nikitichev, Z. F. Smirnova, and L. N. Furmakova	(E)	733 852
Morphology and Surface Kinetics of the Growth of β -Methylnaphthalene from Alcohol Solution: An Intermediate Adsorption Film of Melt. E. D. Dukova and E. V. Cavrilenko	(E)	736 856
Crystallization of Nonstoichiometric Melts of Decomposable Compounds. B. D. Lainer, A. V. Berkova, M. G. Mil'vidskii, and V. V. Rakov	(T/E)	743 867
Effects of Surface Electrical Properties of a Crystal Substrate on Crystallization. G. I. Distler and V. P. Vlasov	(E)	747 872
Kinetics of the Hydrothermal Crystallization of Quartz in Different Solutions and the Adsorption Film Hypothesis. A. A. Chernov and V. A. Kuznetsov. Solubility and Crystallization of Yttrium-Iron Garnet in Melts. V. A. Timofeeva and N. I. Luk'yanova	(T/E)	753 879
Synthesis and Mutual Solubility in Spinel Solid Solutions in Me-Ti-Fe-O Systems (Me = Zn, Co, Ni, and Mn). A. A. Shchepetkin, R. G. Zakharov, M. I. Zinigrad, and G. I. Chufarov.	(E)	761 889
The Crystallization of Thin Layers of Supercooled Gallium. V. T. Borisov and Yu. E. Matveev	(E)	765 895
BRIEF COMMUNICATIONS		
Interactions of the C...O... and O...O Atoms in CO ₂ Crystals. A. I. Kitaigorodskii, K. V. Mirskaya, and V. V. Nauchitel'.	(E)	769 900
Geometry of the Diffraction Patterns of Slow Electrons Reflected by the Surface of Crystals with a NaCl Lattice Type. I. F. Dvoryankin, A. Yu. Mityagin, and V. P. Orlov	(E)	772 902
The Crystal Structure of NdWO ₄ OH. R. F. Klevtsova and S. V. Borisov.	(E)	776 904
The Crystal Structure of Palladium Telluride Pd _{4-x} Te. V. S. Khar'kin, R. M. Imamov, and S. A. Semiletov.	(E)	779 907
The Crystal Structure of Barium Iron (IV) Oxides in the System BaFeO ₃ - BaFeO _{2.5} . I. N. Belyaev, E. G. Fesenko, V. S. Filip'ev, and I. G. Kokarovtseva	(E)	782 910
Neutron Diffraction Study of Zirconium Carbohydride. V. N. Bykov, V. S. Golovkin, V. P. Kalinin, V. A. Levdik, and V. I. Shcherbak.	(E)	785 913
Electron Diffraction Investigation of the Phase Formation and the Kinetics of Phase Transformations in the Ag-Se System. G. A. Efendiev, I. R. Nuriev, and R. B. Shafizade	(E)	787 915
Employment of the Principal Orientations of Crystals with Rhombic Symmetry in Calculating EPR Spectral Constants. B. N. Grechushnikov and V. F. Koryagin.	(E)	791 917
Investigation of the Electron Paramagnetic Resonance of Nd ³⁺ in CeO ₂ Monocrystals. R. Yu. Abdulsabirov, Z. N. Zonn, and A. N. Katyshev	(E)	793 919
Scheme of Levels for the Cr ³⁺ Ions in Ruby (Configuration 3d ³ in a Trigonal Field with Allowance for the Mixing of all States). D. T. Sviridov and R. K. Sviridova	(T/E)	795 920
A Laser Based on SrF ₂ -YF ₃ -Nd ³⁺ Crystals. L. S. Garashina, A. A. Kaminskii, L. Li, and B. P. Sobolev	(E)	799 925
Rotation of the Optic Axis of a Rochelle Salt Crystal by an Electric Field. I. T. Tukhtasunov and V. A. Shamburov	(E)	800 925
The Optical Activity of Bismuth Compounds. V. N. Batog, V. I. Burkov, V. A. Kizel', V. A. Madii, G. M. Safronov, and V. M. Skorikov	(E)	803 928

(Contd)

Available from American Institute of Physics
Vol 14, No 5, 1970

		RUSS. PAGE PAGE
The Space Charges and Electrical Properties of Single Crystals of Barium Titanate. <u>V. Z. Borodin, S. G. Gakh, M. I. Gorelov, and V. G. Kuznetsov.</u>	(E)	805 929
Synthesis, Dielectric, and X-Ray Investigation of Some New Lamellar Ferroelectrics of the $(A\text{Bi})\text{Bi}_2\text{Ti}_4\text{FeO}_{18}$ ($A = \text{Ca, Sr, Pb, Ba}$) Type. <u>F. A. Mirishli and I. G. Ismailzade.</u>	(E)	809 933
The Dielectric Dispersion of Crystals of Potassium Ferrocyanide. <u>V. M. Petrov, A. Ya. Krasnikova, and E. S. Yashumova.</u>	(E)	811 935
Characteristic Features of the Pyroelectric Effect and Electrical Conductivity in Single Crystals of LiNbO_3 in the Range 20-250°C. <u>M. B. Roitberg, V. K. Novik, and N. D. Gavrilova.</u>	(E)	814 938
Dielectric Properties of KDP Crystals Containing Additions of Chromium. <u>L. N. Kamysheva, N. A. Burdanina, O. K. Zhukov, I. V. Gavrilova, A. N. Kovalenko, S. G. Savvinova, and A. M. Savvinov.</u>	(E)	816 940
The Elastic Vibrations of Liquid Crystals of the Nematic Type. <u>A. P. Kapustin.</u>	(E)	819 943
Anisotropy of the Radiative Reinforcement of Zinc Single Crystals. <u>O. A. Troitskii, L. G. Maistrenko, and N. P. Yatsenko.</u>	(E)	821 944
Point Defects in the Borosilicates Danburite and Datolite. <u>L. V. Bershov and V. O. Martirosyan.</u>	(E)	823 946
Effect of State of Lead Impurity on Mechanical Properties of Potassium Chloride and Sodium Chloride Crystals. <u>O. V. Obukhova, M. M. Tagieva, and M. P. Shaskol'skaya.</u>	(E)	825 948
Plasticity of Fiber Crystals Grown by Different Methods. <u>E. Khartmann, V. N. Rozhanskii, and A. P. Kruzhilina.</u>	(E)	828 951
Dependence of the Rates of Growth and Solution of Spherical Single Crystals of $\text{Zn}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ on Their Velocities in Solution. <u>A. V. Belyustin and G. D. Pavlova.</u>	(E)	829 952
Effect of Rotation of the Face Paths during Growth of Germanium Single Crystals. <u>A. N. Kirgintsev and Yu. A. Rybin.</u>	(E)	831 954
Hydrothermal Crystallization in $\text{MeMoO}_4\text{-LiCl-H}_2\text{O}$ Systems. <u>L. N. Dem'yanets.</u>	(E)	833 955
CHRONICLES Georgii Borisovich Bokii (on the occasion of his sixtieth birthday)		837 959
Available from American Institute of Physics Vol 14, No 5, 1970		

COLLOID JOURNAL

of the USSR

A translation of *Kolloidnyi Zhurnal*

Volume 31, Number 5

September-October, 1969

CONTENTS

	Engl./Russ.
The Factors Which Determine the Stability of Concentrated Emulsions —A. A. Abramzon and Z. N. Slavina	505 635
Phase Composition of the Hydration Products of Tricalcium Aluminate in Aqueous Suspensions with Additions of Saccharose—Z. A. Abueva, O. I. Luk'yanova, and T. K. Bratskus	510 641
Calculation of the Active Specific Surface of Polydisperse Systems from the Heat of Wetting—N. Ya. Avdeev and E. P. Khanin	515 647
Structure Formation in Suspensions of Magnesium Trihydrocarbonate and Hydroxide—R. I. Arav	519 651
Influence of the Degree of Dispersion on the Dependence of the Specific Power for Limiting Breakdown of the Structure of Clay Suspensions on the Concentration of the Disperse Phase—A. A. Bagrov	523 656
Influence of the Concentration of the Disperse Phase on the Stability of Lyophobic Sols. Coagulation by Individual Electrolytes—B. V. Barboi, V. M. Barboi, Yu. M. Glazman, and I. M. Dykman	526 660
The Size Distribution of Oriented Aggregates Formed in Suspensions with the Application of an Alternating Electric Field—T. A. Vorob'eva, I. N. Vlodavets, and P. I. Zubov	533 668
Effect of Sulfonic Acid Ion-Exchange Resin Structure on the Kinetics of Sorption of Antibiotics of the Tetracycline Group—A. Sh. Genedi and G. V. Samsonov . .	538 674
Investigation of the Initial Stages of Development of Disperse Crystallization Structures Using Ultrasonics—Ya. R. Grabis, V. V. Dzenis, and V. B. Ratinov	542 679
Effect of Polymer Cross-Linking on the Stability of Polychloroprene Latex —Yu. V. Grubman, E. Yu. Malikova, D. M. Sandomirskii, V. V. Chernaya, and M. I. Shepelev	548 687
Study of Capillary Osmosis by a Radioactive Tracer Method—B. V. Deryagin and M. M. Koptelova	552 692
Theory of Static Polarization of the Diffuse Part of the Thin Electric Double Layer of Spherical Particles—S. S. Dukh'in and V. N. Shilov	564 706
Asymptotic Method in the Theory of Nonsteady State Drop Evaporation and Growth —T. Ya. Kolesnik	571 714
Thermal Stability of Clay and Trass Systems—A. K. Miskarli, A. M. Bairamov, B. A. Bairamov, and T. G. Gasanova	575 719
Conditions for Formation of Metallopolymers Based on Epoxy Resin ED-5 and Highly Disperse Iron, Cobalt, and Nickel—É. M. Natanson, Yu. I. Khimchenko, L. S. Radkevich, and M. G. Lysenko	580 726
Emulsifying Action of Oxyethylated Aliphatic Alcohols (Synthanois)—S. A. Nikitina and G. A. Simakova	583 730

(Contd)

Available from Consultants Bureau

	Engl./Russ.
Thermal Coagulation of Emulsions in an External Homogeneous Electric Field —G. M. Panchenkov and L. K. Tsabok	587 735
Effect of Electrolytes on the Colloidal Properties of Titanium Dioxide Pigment Pastes—T. T. Petrova, A. I. Shutova, and E. M. Aleksandrova	592 741
Investigation of Vibro-rheological Curves of Rigid Concrete Mixtures —B. M. Radvinskii, Yu. L. Vorob'ev, and N. V. Mikhailov	595 745
Solubilization of Benzene and Styrene in Solutions Containing Mixtures of Some Ionic and Non-ionic Surface-Active Agents—T. S. Solov'eva, L. V. Eremina and R. M. Panich	599 749
Infrared Spectra of Kaolinite—Yu. I. Tarasevich and F. D. Ovcharenko	603 753
The Role of the "Makeup" Effect in the Process of Condensation of Water Vapor from an Aerosol Flow on the Surface of Solutions—M. V. Tovbin and D. F. Datsenko	609 755
Vibro-packing of Free-Flowing Materials from Fractions with a Wide Particle-Size Range—S. I. Furmanov, G. M. Khutortsov, and N. V. Mikhailov	612 762
Reaction of Polyethylene Glycol Maleate Phthalate with Colloidal Iron Particles at the Moment of Their Formation on a Cathode—Ya. I. Khimchenko, E. A. Serpachenko, and É. M. Natanson	617 767
Experimental Investigation of Spontaneous Dispersion in Molecularly Compact Solid Aggregates—G. S. Khodakov and L. I. Édel'man	620 771
IR Spectroscopic Study of Reactions of Chlorosilanes with SiO ₂ and the Effect of the Nature of the Vinylmethyl Silica Surface on the Properties of Filled Polymers—A. A. Chuiko, T. N. Burushkina, V. A. Sobolev, D. B. Boguslavskii, Kh. N. Borodushkina, T. R. Gendler, G. I. Levit, G. A. Blokh, and V. Ya. Vasilenko	624 777
LETTERS TO THE EDITOR	
Measurement of the Structural-Mechanical Properties of Adsorbed Layers —S. A. Nikitina and L. V. Kolpakov	630 784
Anomalous Viscous Flow of Aqueous Solutions of Polyvinyl Alcohol —E. E. Tarakanova, A. V. Ryabov, and D. N. Emel'yanov	632 786
CHRONICLES	
Symposium on Rheology—A. Ya. Malkin	633 788

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Numbers 9-10

September-October, 1969

CONTENTS

Engl./Russ.

NUMBER 9, SEPTEMBER, 1969

Unceasing Attention to New Projects—A. A. Dimitrevskii	523	1
CAST IRON		
Neutralization of Iron Ore Stocks—L. M. Rudakov, A. K. Klochko, and E. A. Sukhonenko	526	3
Effect of the Sintering Technology on the Efficiency of Sintering Machines and the Quality of Sinter—B. I. Bykov, Yu. S. Rud', A. Z. Krizhevskii, V. G. Kucher, and V. I. Loboda	530	6
Operation of Automatic Strain-Gage Weighing Equipment in Blast-Furnace Charging Systems—K. S. Zolotukhin and R. A. Fokichev	532	7
Blast-Furnace Smelting on Lisakovskoe Sinter—V. N. Andronov, A. A. Bachinin, D. V. Gulyga, V. F. Kabanov, S. T. Pliskanovskii, A. G. Popov, and A. A. Shokul	537	10
IN THE BLAST-FURNACE PLANTS OF THE SOVIET UNION		
Mechanization of Refractory Supply during Repair of Molten Cast Iron Transfer Ladles—V. F. Bannykh	541	13
Removal of Sulfur Dioxide from Sinter Gas—R. S. Suprunenko, N. M. Vasil'chenko, V. N. Bytkin, I. D. Shabliencko, S. G. Vygran, I. S. Bichev, and L. A. Volkova	542	13
STEEL		
Increased Output Capacity of 600-Ton Open-Hearth Furnaces—Yu. F. Voronov, G. S. Kolganov, F. I. Bashlii, and V. F. Isaenko	543	14
Continuous Casting of Alloy Steel in Square Cross-Section Crystallizers—V. P. Perminov, V. E. Gorskii, V. I. Podkin, V. A. Tetyuev, A. I. Chizhikov, and F. D. Zebzeev	546	16
New Trends in the Development of Steel Refining Techniques Using Liquid Synthetic Slags—A. I. Osipov, S. G. Voinov, and A. G. Shalimov	549	19
New Pressure Seal Designs for Arc-Furnace Electrodes—A. I. Sapko, M. S. Pasechnik, and B. I. Berg	553	22
		(Contd)

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Engl./Russ.

Carburization of Flame Cone with Fuel-Oil in Oxygen Lancing of Open-Hearth Bath —B. S. Kurapin, G. A. Podol'skaya, V. A. Dvoryaninov, T. K. Maksimishina, V. L. Andreev, V. G. Sergienko, D. M. Parkhomenko, V. V. Mosiashvili, Yu. G. Strel'chenko, N. I. Globa, and N. A. Shakov	555	24
ROLLED PRODUCTS		
Cold Rolling of Steel Shaped Sections—Kh. B. Grosman and A. G. Devyaterikov	558	26
Minimizing the Amount of Metal Used in the Fabrication of Bimetal Sandwiches —M. A. Siagalov and V. I. Rospasienko	562	29
Microgeometry of Rollers and Cold-Rolled Strip—M. A. Benyakovskii, S. A. Shirinskaya, and P. A. Firsov	565	31
[THE WORLD OF METALLURGY]		
[Continuous Casting of Shaped Beam Blanks (from Steel Times [Britain], 196, No. 10, p. 619 (1968))		32]
[Wear-Resistant Steel (from The Financial Times [Britain], No. 24705, p. 8 (November 25, 1968))		32]
Roll-Pass Design for Plowshare Strip 122—A. M. Korchemnyi	567	33
Efficiency of Cast Iron Rollers of Different Compositions—Yu. E. Kulak, V. T. Zhadan I. V. Gunin, V. E. Karsskii, V. K. Parfenyuk, P. P. Doroshenko, V. Ya. Pavlovskii, B. F. Mel'nikov, and I. Z. Tsilevich	568	35
Intensified Rolling in a Mushroom-Type Piercing Mill—V. Ys. Osadchii, I. G. Getiya, Yu. A. Mukhin, V. G. Biryukov, B. S. Malkin, and S. P. Yudin	570	36
IN THE ROLLING DEPARTMENTS OF THE SOVIET UNION		
Stacking of Pipes into Pockets—Z. G. Fuks	572	38
Centralized Production of Traveling Wheels for Cranes—M. K. Sheman.	573	38
An Important Element of Scientific Labor Organization: The Operations Schedule —P. F. Taratenko	576	40
TWENTIETH ANNIVERSARY OF THE FOUNDING OF THE GERMAN DEMOCRATIC REPUBLIC		
Ferrous Metallurgy in the German Democratic Republic—M. A. Kovalevskii, A. I. Kalashnikov, I. I. Pashko, I. I. Osadchii, and L. Z. Strokova	579	42
The First Leading Authority in Russian Metallurgy The 250th Anniversary of the Founding of the Mining College—A. A. Kuzin	582	44
Economic Losses Estimate On-the-Job Injuries—M. M. Zin'kovskii	584	45
A Fighter against Fatigue—S. Venetskii	587	47
IN THE WORLD OF METALLURGY		
[Steel Production Capacities in the USA (Wall Street Journal, February 13, 1969))		49]
NUMBER 10, OCTOBER, 1969		
Economical Use of Metal—N. I. Sheftel'	594	1
At the Cradle of the Five-Year Plans—B. Shur	598	3
CAST IRON		
Blowing In of a 2700 m ³ Blast Furnace—A. A. Zaloga, I. P. Vasko, V. I. Bondarenko, B. F. Marder, and V. V. Taranovskii	601	5
Mechanization of Hearth Operations and Preparation of Refractory Compounds, Construction of Cooling Apparatus and Systems, and Their Maintenance —P. U. Yur'ev, L. Ya. Levin Yu. S. Pavlyukov, and V. F. Kosinskii	605	8
The Control of Localized Burning of the Tuyeres—N. M. Kharchenko, P. I. Shestak, I. L. Kolesnik, B. T. Petrovskii and I. I. Tselikovskii.	613	13
FOR INDUSTRIAL SAFETY		
Working Conditions and Industrial Esthetics at the Sintering Plant of the Southern Mining and Concentration Combine—V. A. Martynenko, and P. M. Baltaksa	615	15
Available from Consultants Bureau		(Contd)

METALLURG
No 9-10, 1969

(continued)

Engl./Russ.

An Analysis of the Operation of Equipment for the Production of Crushed Stone from Lumps of Slag—N. N. Kochetov, E. I. Filippova, M. V. Rutus and D. M. Zakharova	617	16
STEEL		
Recarburization of the Liquid Metal in an Open-Hearth Furnace by Powdered Carbon-Containing Materials—V. F. Sitnikov, A. S. Mikhailov, V. N. Domoradskii, and É. V. Verkhovtsev	620	18
Deoxidation of Low-Carbon High-Grade Steel for Complex and Extra-Complex Pressings—D. A. Smolyarenko, Yu. N. Semenov, V. T. Sosipatrov, V. A. Ponomarenko, A. A. Alymov, and A. G. Tat'yanshchikov	623	20
The Lenin Dnepropetrovsk Tube Mill—Photos and text by R. Suvarov	627	24
Information on Pig-Iron Composition and Temperature in Converter Process Automation—S. K. Sobolev, V. S. Bogushevskii, N. A. Sorokin, I. S. Kukuruznyak, V. M. Servetnik, P. I. Mel'nikov	630	26
Teeming Steel at a Low Degree of Superheat—N. A. Polushkin, M. I. Loganov, and A. I. Chichkanov	633	28
An Improved Stuffing Box—I. T. Sokolov	635	29
IN THE STEELMAKING SHOPS OF THE COUNTRY		
Device for Sampling Metal and Slag—V. Ya. Lashchev, V. A. Rybinov, and P. G. Terziyan . .	636	30
Improvement of the Charging System of Lime Furnaces—O. L. Ivanov and A. D. Mikhailov . .	638	31
ROLLED PRODUCT		
Rolling of Reinforcing Bars of a New Deformed Section—L. V. Shcherbakov, S. M. Skorobogatov, A. D. Filatov, A. M. Litvak, E. P. Shemyavich, and B. Ya. Ronin	640	32
Use of Corundum Blocks for Bricking the Hearths of Continuous Furnaces—A. G. Monid, A. S. Kozhevnikov, O. A. Mel'nikov, and É. V. Vorob'ev	642	33
IN THE COUNTRY'S ROLLING MILLS		
Automation of the Machine for Thread Cutting in Drill and Casing Pipe Sockets—N. N. Zhuravlev and I. T. Napadailo	645	36
Sealing of the Thread Connections of Casings—V. V. Ermakov	647	37
Improved Overhead Unit for Finishing of the Outside Surface of Tubes—N. A. Dzamashvili, B. Sh. Kvanchakhadze, and R. A. Maglakelidze	649	38
Rational Conduction of the Process of Conditioning Metal—B. T. Gorshkov and A. V. Mudasov .	651	39
The Hardening of Circular Saw Teeth—V. P. Ovsyannikov	653	40
Organization of the Working Areas for Blooming Mill Operators—B. P. Bel'gol'skii, É. S. Glikman, T. N. Polyanskaya, and N. I. Kul'baba	655	41
Innovators in the Magnitogorsk Metallurgical Group of Enterprises—A. N. Khinkis	658	43
Adoption of Staggered and Unit Repair Methods for Equipment Maintenance—I. G. Vendrov and L. B. Boguslavskii	660	44

Available from Consultants Bureau

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METEOROLOGY AND HYDROLOGY

No. 3, March 1970

- USSR -

Selected articles from the Russian-language
periodical Meteorologiya i Gidrologiya,
Moscow, No. 3, 1970.

CONTENTS	PAGE
Five Years of the International Hydrological Decade (IHD) (V. I. Korzun).....	1
A Statement of the Problem of the Current Structure in a Baroclinic Sea Considering Macroturbulent Exchange (G. I. Marchuk).....	12
Modification of Atmospheric Processes (G. K. Sulakvelidze, M. A. Petrosyants).....	19
Moisture Balance in Clouds (V. N. Kozlov, L. T. Matveyev).....	38
Spread of Atmospheric Admixtures Under Urban Conditions (M. Ye. Beryland).....	52
Utilization of Television Data of Meteorological Earth Satellites for Hydrological Purposes (S. N. Temnikov).....	68
Structure of Clouds in the Center of a Cyclone by Photographs from the Soyuz-4 Spacecraft (B. A. Bugayev, et al.).....	77 (Contd)

Available from JPRS 50471

METEOROLOGIYA I GIDROLOGIYA

No 3, 1970

Mass Spectrometric Investigation of Ion and Neutral Composition of the Upper Atmosphere Using MR-12 Rockets (A. D. Zhud'kov, et al.).....	85
Gamma-Ray Survey of Snow Cover from Aircraft (A. V. Dmitriyev, et al.).....	100
Automatic Information Retrieval and Information Retrieval Language for Meteorology and Hydrology (G. A. Sereda).....	116
Utilization of Testing Grounds in Agrometeorological Research (M. S. Kulik).....	124
INSTRUMENTS, OBSERVATIONS, PROCESSING	
Automatic Data Processing System Obtained at the High-Altitude Meteorological Tower of the Institute of Experimental Meteorology (N. L. Byzova, et al).....	136
REVIEWS AND BIBLIOGRAPHY	
Atlas Antarktiki [Atlas of Antarctica], Vol II, Gidrometeoizdat Press, Leningrad, 1969 (V. G. Aver'yanov).....	147
CHRONICLE	
Prominent Scientist, Organizer and Social Worker (G. F. Khil'mi).....	151
Available from JPRS 50471	

A. P. Kozlov	B. I. Levitan
L. I. Kozlov	I. A. Mamonov
A. S. Kozlov	G. P. Moser
P. P. Kozlov	A. P. Pashin
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Numbers 5-6

May-June, 1969

CONTENTS

NUMBER 5, MAY, 1969

Engl/Russ

PRODUCTION

Chamotte and Sintered Ladle Brick from Barzassk Clays - A. D. Popov, E. I. Chukreeva, V. G. Plyugin, Yu. F. Mikhailov, Yu. P. Dyban', M. D. Saiganik, A. R. Makarychev and N. M. Pestina.....	265	1
Improvement in the Technology of Manufacturing Lightweight Products BL-0.4 - M. A. Rabinovich, I. V. Grigor'ev, L. I. Krigman, and M. D. Karaseva.....	269	5

HEAT TECHNOLOGY

Tunnel Kiln for Firing Large Refractory Products - S. A. Shiryayev, A. P. Katayev, K. A. Krasotin, D. B. Min'kov, V. I. Gromov, and A. G. Larina.....	271	7
Conditions of Operation of a Tunnel Kiln with Injection Burners - A. B. Kel'man, Yu. D. Levitskii, M. L. Sheinber, A. I. Kulik, G. S. Kvaasha, and A. I. Zolotarev....	275	10

MECHANIZATION AND AUTOMATION OF PRODUCTION

Automatic Overload Protection of Articulated-Lever Presses - R. S. Bernshtein and G. A. Koba.....	278	13
---	-----	----

RAW MATERIALS

Experience in Building of Rotor Excavators - V. K. Podolyak, B. M. Klipa, L. K. Baldin, and V. S. Terekhov.....	280	16
---	-----	----

REFRACTORIES IN SERVICE

Experience with C concreting Refractory Structures in MMC Open Hearths - A. S. Freidenberg, T. G. Shunin, and A. F. Tarasov.....	283	19
Service of Rammed Crucibles for Melting Noble Metals in Induction Furnaces - P. S. Mamykin, I. D. Kashcheev, V. A. Peropolitsyn, and T. P. Karzhavina.....	284	19
Phase Changes in Zirconia Refractories Used in Carbon Black Manufacturing - N. V. Pitak, Z. D. Zhukova, and E. I. Zoz.....	288	24

(Contd)

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RESEARCH	Engl./Russ.	
Investigation of the Composition, Properties, and Vitrification of Latnonak Somiacid Clay - I. S. Kalnarskii, E. V. Degtyareva, and S. B. Totenko.....	292	28
Peculiarities of the Densification of Zircon Refractories in Firing - A. K. Karklit and A. N. Aloksova	299	35
Producing Aluminomagnesia Bonded Refractories in an Autoclave - E. I. Ved'..... and E. F. Zharov	303	39
A Study of the Process of Hot Pressing Strontium Zirconate - V. S. Shakhin, N. I. Bogdanov, and V. L. Balkevich	306	41
Study of Electrophysical Properties of Lanthanum Chromite and Lanthanum Chromite - Stabilized-Zirconia Ceramics - V. G. Gordon and E. G. Spiridonov	310	46
Determination of the Phase-Transformation Temperature of Beryllium Oxide - Yu. A. Kocherzhinskii, E. A. Shishkin, and L. M. Yupko	314	50
Sintering Kinetics of Zirconium Dioxide - N. A. Andreova, V. M. Gropyanov, and L. V. Kozlovskii	316	51
Thermal Conductivity of Yttrium Oxide - V. Ya. Chekhovskoi, G. I. Stavrovskii, A. V. Ivanov, A. I. Pustil'nik, and T. S. Sodykh	323	58
INDUSTRIAL EXPERIENCE		
Operating a Face Ring on a Rotary Kiln - G. I. Yakimenko	324	59
BRIEF COMMUNICATIONS		
In the Refractories Section of the Science-Engineering Council of the Ferrous Metals Ministry of the USSR - E. B. Nefedkina	325	60

NUMBER 6, JUNE, 1969

Leaders in the Premay Socialist Competitions	329	1
PRODUCTION		
Improving Product Quality at the Panteleimonov Factory - S. B. Vinokur and M. E. Solov'eva	330	2
Developing a Method and Producing a Batch of Experimental Corundum Insulating Brick - N. V. Konetskii and R. S. Mil'shenko	332	3
Plugs for Intermediate Ladles of Continuous Steel Casting Plant - A. Kh. Kharbash	335	6
MECHANIZATION AND AUTOMATION OF PRODUCTION		
Automatic Stabilization of Caustic Powder Feed into a Rotating Furnace - E. F. Baranov, I. F. Litvinchuk, and G. G. Barnesberger	337	8
Determination of the Time to Fill a Mold with Semidry Masses through a Gate Valve - V. E. Vernikovskii	339	9
Calculating the Parameters of the Pressing Mechanism of a Toggle Press - V. A. Polyukh	342	12
RAW MATERIALS		
Technical Progress at the "Magnezit" Factory - V. P. Zoiov and V. N. Shkuropatov	349	18
Improving Hydrogeological Services in the Pits of the Borovich Refractories Combine - Yu. Z. Dobrin	353	23
REFRACTORIES IN SERVICE		
Wear of Chromite-Bearing Roof Refractories in a Two-Bath Steel Smelting Furnace - G. I. Antonov, L. I. Karyakin, B. D. Minkovich, V. P. Nedosvitii, K. D. Mokrushin, N. A. Kudryavaya, and E. N. Pomortseva	358	27
Reaction of High-Alumina Refractory with Chromium Vapors in Vacuum - M. I. Gasik, S. I. Khitrik, Yu. P. Pashkov, L. Ya. Grinberg, and Yu. M. Chupakhin	366	38

(Contd)

Available from Consultants Bureau

	Engl./Russ.	
RESEARCH		
High-Alumina Products Based on Kyanite - Sillimanite Concentrate		
- S. A. Zhikharevich, A. T. Zelenskaya, and A. P. Kochetova.....	369	41
Studying Deformation of Fine Grain Zirconia Green Products during Sintering		
- I. G. Orlova, I. S. Kainarskii, and L. S. Alekseenko.....	375	46
Reagents for Photocolorimetric Determination of Aluminum Content - L. V. Bogova	381	52
Determination of the Density of Refractory Materials from Small Weighed Portions		
- G. A. Veiss, S. P. Shmitt-Fogeleovich, and G. I. Lebedeva	385	56
EXCHANGE OF EXPERIENCE		
An Accelerated Method for Determining Chromic Oxide in Chromite Ores and Chromium		
Magnesite Bodies - S. T. Balyuk, V. N. Taukchi, and Z. I. Demina	388	59
Small Cable Pusher for Tunnel Kilns - N. M. Litvinenko	390	60
IN THE FERROUS METALLURGY SCIENTIFIC-TECHNICAL SOCIETY		
Increasing the Output of High Grade Magnesite Powder - I. A. Savkevich.....	392	61
Abram Semenovich Frenkel' (On His Seventieth Birthday).....	393	62
Available from Consultants Bureau		

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Numbers 7-8

July-August, 1969

CONTENTS

Engl./Russ.

NUMBER 7, JULY, 1969

PRODUCTION

The Production and Service Testing of Magnesia Wares from Rapna Magnesia - P. L. Kotik, P. V. Onishchenko, N. M. Vinogradov, and M. I. Molchanchva..	397	1
Concreteing a Bell and Shaft of a Blast Furnace - A. S. Freidenberg, I. N. Sorokin, A. K. Preobrazhenskii, E. Z. Freidenzon, A. S. Prasolov, E. G. Konev, G. A. Neklyudov, V. N. Eremin, A. M. Lekhtik, S. P. Shipigusev, and V. S. Semkov	402	7
Effect of the Properties of Magnesite Powders on the Quality of Spinel-Bonded Magnesite Products - K. V. Simonov and V. A. Perepelitsyn.....	404	9

HEAT TECHNOLOGY

Determining the Temperature Conductivity Coefficient of Dinas - E. Ya. Litovskii, and Ya. A. Landa	410	16
---	-----	----

MECHANIZATION AND AUTOMATION OF PRODUCTION

Machine for Cutting and Grinding Insulating Brick - I. V. Grigor'ev and M. A. Rabinovich.....	415	22
Mathematical Method of Investigation of Rotary Fireclay Kilns for Firing Refractory Clay as a Subject for Automization - L. M. Shal'man	416	23

RAW MATERIALS

A Mining Machine Combination - A. S. Volgershtein, N. E. Kovalenko, G. N. Batashov, and V. I. Seroshtan.....	420	27
---	-----	----

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REFRACTORIES IN SERVICE

Phase Composition of High-Alumina Linings of an Induction Channel Furnace after Smelting of Copper - I. Ya. Prokhorova, T. A. Aleksandrova, and G. G. Mel'nikova.....	421	28
Corrosion of Chrome-Spinellide Grains by Silicates in Magnesite - Chromite Brick - M. N. Kalbicheva.....	427	33

RESEARCH

Creep of Aluminosilicate Refractories - L. B. Borovkova, E. S. Lukin, and D. N. Poluboyarinov.....	433	39
Interaction of $MgAl_2O_4$ and $MgCr_2O_4$ Spinel with Calcoferruginous Melts - Ya. V. Klyucharov and N. V. Meshalkina.....	438	44
Dynamic Method for Determining the Coefficient of Transverse Deformation of Refractories at High Temperatures - M. N. Bluvshstein, N. K. Senyavin, and I. Yu. Khlebnikova.....	443	47
Effect of Surface-Active Agents on Grinding and Compaction of Periclase - Spinel Mixes - G. V. Kukolev, I. I. Nemets, and V. A. Shekhovtsova.....	446	50
After-Expansion of Semiacid Products - S. I. Shcheglov, V. L. Karasik, T. K. Barkalova, and L. D. Pilipchatin.....	450	54

EXCHANGE OF EXPERIENCE

Strengthening Shock Absorbers on the "Gukod" Screen Unit - N. I. Lutkov.....	454	58
--	-----	----

IN REFRATORIES CONCERNS

Mastering the Firing of Semiacid Clay LT2PK in a Rotary Kiln - Yu. Ya. Bobkov and G. S. Naidenova.....	455	59
Mining Dolomites for the Production of Tarred Dolomite Refractories - V. D. Suzdal'tsev.....	456	59

BOOK REVIEWS

Ya. E. Geguzin - Physics of Sintering - Reviewed by I. S. Kainarskii.....	457	60
---	-----	----

NUMBER 8, AUGUST, 1969

Rationalizers and Inventors in the Drive for Technical Progress.....	461	1
--	-----	---

PRODUCTION

Introducing New Techniques in Concerns of the "Ogneupornerud" Trust - A. N. Mozgovoi, Yu. A. Dolgoruchkov, and G. S. Khomskii.....	464	5
Towards High Production Standards - I. A. Suvorov.....	467	7
Semiacid Ladle Brick Based on Low-Fired Chamotte, Quartz Sand and Ch1PK Clay - S. I. Shcheglov, V. L. Karasik, T. K. Barkalova, L. D. Pilipchatin, A. I. Kulik, T. S. Karmanova, and V. N. Repnikov.....	469	9
Influence of Surface-Active Substances on Fine Milling of Quartzite - L. P. Voznyuk and I. M. Danchuk.....	475	16

ECONOMICS

New System of Planning and Economic Incentives for Production in Internal Factory Accountancy - I. S. Korkodilov.....	478	19
Operation of a Concern on the New System of Planning and Economic Incentive - T. Sh. Ékhtshain.....	480	21

(Contd)

Available from Consultants Bureau

(continued)

Engl./Russ.

HEAT TECHNOLOGY

Firing Dinas in a Tunnel Kiln with Natural Gas - S. A. Shiryayev..... 481 22

MECHANIZATION AND AUTOMATION OF PRODUCTION

Simplified System of Automatic Temperature Control in Tunnel Furnace
- V. R. Ksendzovskii, I. M. El'tsin, and A. A. Gastev..... 484 25

RAW MATERIALS

Study of the Translocation Mechanism of the Conveyor-Loader PLSh-1200
- Yu. I. Berezhnoi, D. S. Podorozhnaya, and V. V. Stolyarevskii..... 488 30

REFRACTORIES IN SERVICE

Metering Component for Continuous Casting of Aluminum Deoxidized Steel
- A. K. Karklit, L. Ya. Fridman, O. V. Nosochenko, N. I. Sautkin,
A. I. Manokhin, N. M. Frolovskii, V. K. Petrov, I. P. Bardin, P. S. Klimashin,
N. D. Karpov, L. I. Teder, and S. V. Kolpakov..... 491 34

RESEARCH

Use of Novoselitskii Kaolin for the Production of High Alumina Fireclay
- K. A. Mikhailova, N. V. Pitak, S. F. Korsunskaya, I. P. Safronova,
A. P. Stavorko, A. A. Mukhin, R. S. Mil'shenko, and G. E. Karas..... 495 38
Investigation of Strength of Materials Made of Corundum and Metal - B. S. Skidan,
D. N. Poluboyarinov, and A. S. Vlasov..... 500 41
Investigation of Composition and Properties of Various Types of Alumina for Production
of Refractories - E. V. Degtyareva, I. S. Kainarskii, and I. I. Kabakova..... 505 45
Thermal Stress Resistance of a Corundum Ceramic with Magnesium Oxide Added
- G. A. Gogotsi, A. I. Natsenko, and V. M. Antonenko..... 511 50
Vaporization of Magnesium Oxide in an Oxidizing Atmosphere - T. S. Ignatova,
L. V. Uzberg, I. L. Shchetnikova, D. S. Rutman, E. I. Kelareva, I. S. Mayauskas,
and V. V. Yanulis..... 515 55

EXCHANGE OF EXPERIENCE

Improved Semidry Pressing of Steel Casting Nozzles - N. F. Dragan..... 518 58
Plenum Ventilation with Foam Filter - A. Kh. Mateosov..... 520 60
Automation Circuit for Emergency Shutting Down of Tunnel Kiln - A. N. Loseva..... 522 62

Available from Consultants Bureau

The Russian press dates (podpisano k pechatii) of the first and second issues covered in this issue of the translation were, respectively, 6/17/69 and 7/18/69. Publication of the material translated in this issue is therefore known to have occurred not prior to the earlier of these dates, but must be assumed to have taken place in two parts, the second being published shortly after the later of the dates.

CONTENTS

	Page	
	English	Russian
S.A. Pravevich and V.D. Korzh: Salt Exchange between the Ocean and the Atmosphere	465	571
L.A. Shulyak: Experimental Studies of the Phase and Orbital Velocities of Gravity Waves of Finite Height	476	584
A.D. Sheherbaini: Water Structure of the Equatorial Indian Ocean	487	597
V.F. Korlov: Effect of Bottom Topography on Geostrophic Currents in the Pacific Ocean	496	608
L.A. Snessterev: Observational Verification of Tsurikov's Formula . .	502	616
L.L. Pimenko and V.Ye. Zankai: Suspended Organic Matter in the Waters of the Arabian Sea	504	619
N.D. Starikova and R.I. Korzhukova: Amino Acids in the Black Sea . . .	509	625
V.I. Chernysheva: Ultrabasic and Gabbro from the Rift Zones of the Arabian-Indian and Western Indian Underwater Ridges	519	637
Ye.N. Nevestskiy and E.A. Sheherbakov: Features of the Iron Accumulation and Distribution in Sediments in the Kandalaksha Bay Region of the White Sea	528	649
V.R. Boynagryan: Features of Mechanical Deposition in the Nearshore Zone of the Southeastern Baltic	537	661
L.M. Fomin: Assessment of the Ruggedness of the Bottom Relief	542	667
S.A. Milevskiy: Vertical Distribution, Reproduction and Abundance of Mass Pelagic Polychaetes in the Northwestern Pacific	549	676
E.A. Zelikman: Structural Features of Mass Aggregations of Jellyfish . .	558	686
V.V. Zernova: The Horizontal Distribution of Phytoplankton in the Gulf of Mexico	565	695

METHODS AND INSTRUMENTS

V.V. Dremlyug: Use of Ship's Radar for the Determination of Wave Parameters	575	707
K.Ya. Shvetsov and A.N. Shorin: The Modeling of Sea Waves by Digital Computer	578	710
A.P. Kestner: An Instrument for Recording Aerodynamic Pressure . .	585	718
G.V. Agapova and V.F. Kanayev: Experience in Statistical Processing of Bottom Topography Data on the Second Cruise of the R.V. Akademik Kurchatov	590	724
E.A. Shushkina and Yu.I. Sorokin: Radiocarbon Determination of Zooplankton Production	594	730

INFORMATION

V.L. Tsurikov: Plenary Meeting of the "Atlantic Ocean and Baltic Sea" Basin Division	601	738
V.L. Tsurikov: A Catamaran for Research in Chesapeake Bay	602	739

REVIEW

V.Na Greze: M.Ye. Vinogradov. The Vertical Distribution of Oceanic Zooplankton.	606	743
---	-----	-----

NEWS FROM ABROAD

B.I. Silkin: A Record Descent	608	745
A.I. Duvanin: The Changed Name and Extended Scope of the Liverpool Tidal Institute	608	745
L.A. Zenkevich and V.G. Bogorov: On the 70th Birthday of Academician Ye.M. Kreps	609	746
On the 70th Birthday of R.Ya. Knaps	611	748

Available from American Geophysical Union

UNITED STATES DEPARTMENT OF AGRICULTURE

(Contd)

Available from Optical Society of America

.....	101
.....	102
.....	103
.....	104
.....	105
.....	106
.....	107
.....	108
.....	109
.....	110
.....	111
.....	112
.....	113
.....	114
.....	115
.....	116
.....	117
.....	118
.....	119
.....	120
.....	121
.....	122
.....	123
.....	124
.....	125
.....	126
.....	127
.....	128
.....	129
.....	130
.....	131
.....	132
.....	133
.....	134
.....	135
.....	136
.....	137
.....	138
.....	139
.....	140
.....	141
.....	142
.....	143
.....	144
.....	145
.....	146
.....	147
.....	148
.....	149
.....	150
.....	151
.....	152
.....	153
.....	154
.....	155
.....	156
.....	157
.....	158
.....	159
.....	160
.....	161
.....	162
.....	163
.....	164
.....	165
.....	166
.....	167
.....	168
.....	169
.....	170
.....	171
.....	172
.....	173
.....	174
.....	175
.....	176
.....	177
.....	178
.....	179
.....	180
.....	181
.....	182
.....	183
.....	184
.....	185
.....	186
.....	187
.....	188
.....	189
.....	190
.....	191
.....	192
.....	193
.....	194
.....	195
.....	196
.....	197
.....	198
.....	199
.....	200

Available from Optical Society of America

CONTENTS	
	Page
<u>HEROISM OF SOIL SCIENCE</u>	
THE GOAT OF ARSENIY ARSENYEVICH YARBELOV IN SOIL SCIENCE FOR THE ANNIVERSARY OF HIS 100th BIRTHDAY, by B.G. Gagarov	257
<u>SOIL GENESIS AND GEOGRAPHY</u>	
PRESENT STATUS OF THE DOCTRINE OF SOIL GENESIS IN THE USSR, by Ye. N. Ivanova, Ye. V. Lelova, N. A. Nogina, N. N. Rozov, V. M. Fridland and S. A. Shuvalov	265
ORGANIC MATTER OF SEPARATES IN THE SOIL-PODZOLIC SOILS WITH A SECOND HUMUS HORIZON IN THE OKA-ANGARA INTERFLUVE, by V. A. Kuz'min	278
MICROSTRUCTURE OF STRONGLY PODZOLIC SOIL AND MOVEMENT OF CLAY SUSPENSIONS, by A. M. Kremer	286
<u>SOIL BIOLOGY</u>	
AMMONIA WATER AS AN AGENT OF PARTIAL STERILIZATION OF SOIL, by A. I. Zrazhevskiy and A. I. Seryy	294
<u>AGROCHEMISTRY AND BIOCHEMISTRY OF SOILS</u>	
CALCIUM UPTAKE BY PLANT ROOTS, by Yu. Ya. Mazel'	302
EFFECT OF DIFFERENT FORMS OF PHOSPHORUS AND NITROGEN FERTILIZERS ON WINTER WHEAT GRAIN YIELDS AND QUALITY WITH DIFFERENT SUP- PLIES OF MOISTURE IN DEEP CHERNOZEM, by S. M. Gurevich and N. K. Boronin	308
QUALITY OF WINTER WHEAT GRAIN AND ITS ACCUMULATION IN RELATION TO THE MINERAL FERTILIZERS USED, by A. B. Glukhovskiy and G. D. Polyakova	313
INDUSTRIAL BREAD-BAKING PROPERTIES OF WINTER WHEAT GRAIN AT VARIOUS FERTILIZATION LEVELS, by P. A. Vlasjuk and G. S. Rudenko	321
<u>SOIL PHYSICS</u>	
ESTIMATION OF THE VERTICAL TRANSPOSITION OF SOIL HORIZONS, by M. D. Podskrebko, Ye. I. Ignatova and P. I. Rechkalov	326
<u>SOIL MINERALOGY</u>	
MINERALOGICAL AND CHEMICAL COMPOSITION OF THE CLAY FRACTIONS OF THE TROPICAL SOILS OF EASTERN CUBA, by B. P. Gradusov and I. S. Stepanov	331
<u>METHODS</u>	
DETERMINATION OF THE pH OF SOILS, by N. K. Krupskiy, A. M. Aleksandrova and D. N. Gubareva	342
SOFT-PLASTIC RUNOFF COLLECTOR, by A. A. Motornyy	350
QUICK INSTRUMENTAL METHOD OF DETERMINING SULFATE IONS IN EXTRACTS FROM SALINE SOILS, by B. P. Artamonov, N. Ya. Ariamonova and F. S. Kontorovich	352
A GRAPHOANALYTIC METHOD FOR DETERMINING SLOPE RUNOFF FROM THE RESULTS OF SPRINKLING SMALL PLOTS, by G. A. Larionov	358
DETERMINATION OF CARBON, NITROGEN, AND OXIDIZABILITY OF ORGANIC MATTER IN SOILS AND PEATS IN A SINGLE SAMPLE, by V. N. Simakov, V. P. Tsypplenkov and V. V. Stepanov	365
<u>BOOK REVIEW</u>	
I. A. KRUPENIKOV: CHERNOZEMY MOLDAVII (CHERNOZEMS OF MOLDAVIA). "KARTYA MOLDOVENYASKE" PUBLISHING HOUSE, KISHINEV, by E. I. Shkonde	373
ABSTRACTS	375
Available from Soil Science Society of America	

CONTENTS

GENESIS AND GEOGRAPHY OF SOILS

SOIL FORMATION IN THE STEPPE BASINS OF SOUTHERN SIBERIA, by V.I. Volkovitsker	383
---	-----

SOIL CHEMISTRY

ACCUMULATION AND REMOVAL OF AMORPHOUS SILICA AND FREE ALUMINA IN SOLIDIZED SOILS OF THE OKA-DON LOWLAND, by G.M. Kader and B.P. Akhritsev	392
RATIO OF MAJOR HUMUS COMPONENTS IN THE PROFILE OF FOREST SOILS IN THE URALS AND TRANSURALS, by M.I. Dergacheva	399
CONVERSIONS OF POTASSIUM METAPHOSPHATE IN SOLUTIONS AND SOILS, by E.P. Magintskiy and V.I. Konstantinova	407

AGROCHEMISTRY AND BIOCHEMISTRY OF SOILS

LOSS OF AMMONIA NITROGEN FROM NITROGEN FERTILIZERS ADDED TO CALCAREOUS SOILS, by Z.R. Movsumov	415
SOIL ACIDITY AND FERTILIZER EFFECTIVENESS, by N.P. Bulgakov and A.A. Proshlyakov	421
INFLUENCE OF SYSTEMATIC FERTILIZER APPLICATION ON CONTENT AND FORMS OF PHOSPHORUS COMPOUNDS IN CHERNOZEMS, by P.P. Levenets and S.M. Kukoba	427
SOIL ADSORPTION COMPLEX AND POTASSIUM NUTRITION OF PLANTS, by N.O. Avakyan	433
INFLUENCE OF SEWAGE IRRIGATION ON AGROCHEMICAL PROPERTIES OF VARIOUSLY CULTIVATED SOD-PODZOLIC SOILS, by O.N. Shemyakina	442

SOIL PHYSICS

ADHESION OF SOME SOILS IN THE TATAR ASSR, by A.V. Koloskova and A.A. Burlakov	445
WATER EVAPORATION FROM CAPILLARIES, by N.V. Churayev	456

SOIL MINERALOGY

SOME VARIETIES OF PRESENT-DAY IRON FORMATIONS IN THE WEST AFRICAN SAVANNA, by V.M. Yakushev	466
TOLERANCE OF SOILS TO SODIUM CARBONATE SALINIZATION, by V.P. Bobkov	469

SOIL MELIORATION

PREDICTING SOIL SALINIZATION AFTER LEACHING, by L.M. Reks	476
---	-----

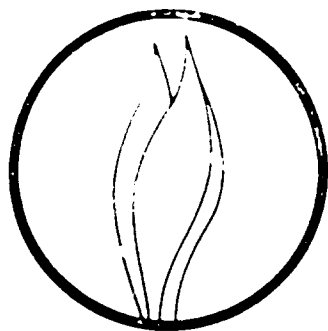
METHODS AND INSTRUMENTS

A METHOD FOR STUDYING THE AVAILABILITY OF SOIL MOISTURE TO PLANTS, by O.G. Grammatikati	481
AN ELECTROMECHANICAL PENETROMETER, by D.I. Burov, S.M. Vasil'kovskiy, and G.I. Kazakov	489
COMPLEXOMETRIC METHOD FOR DETERMINING PHOSPHORUS, by V.V. Krasnoshchekov, T.G. Maksimova, L.V. Myshlyayeva and V.F. Stolbov	494
CONJUGATED AND NONCONJUGATED FORMS OF CARBONYL GROUPS IN HUMIC ACIDS, by L.N. Yekaterinina and T.A. Kukharensko	497

BOOK REVIEWS

D.V. KHAN: ORGANO-MINERAL'NYYE SOYEDINENIYA I STRUKTURA POCHVY (ORGANO-MINERAL COMPOUNDS AND SOIL STRUCTURE)	502
A.A. RODE: OSNOVY UCHENIYA O POCHVENNOY VLAGE. TOM II. METODY IZUCHENIYA VODNOGO REZHIMA POCHV (BASIC PRINCIPLES OF SOIL MOISTURE. VOL. II. METHODS OF STUDYING THE WATER REGIME IN SOILS)	504
ABSTRACTS	505

Available from Soil Science Society of America



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Contents Volume 4, Number 1 · January-February 1968

Editorial Board
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	Russian page	English page
Radurization of Fresh Fruit and Vegetables. L. V. Metlitskii and I. P. Petrash	3	1
Differences in Carbohydrate Complex of Seeds of Wrinkled- and Round-Seeded Varieties of Pea. I. I. Benken and M. I. Smirnova-Ikonnikova	15	9
Movement of Ash Elements in Wheat Grain due to Tempering. E. D. Kazakov and I. A. Sakharova	23	14
Effect of Composition of Interstitial Air and Other Factors on Viability of Stored Sunflower Seeds. V. M. Kopeikovskii and N. V. Trubitsyn	29	19
Depolymerization of Eremurus Glucomannans During Their Extraction. A. A. Kuznetsov and B. N. Stepanenko	36	24
A Method for the Determination of Choline Dehydrogenase Activity in Sugar Beet Root Tissues (as a Factor Associated with Resistance to Attack by Phytopathogens). V. E. Sokolova and Yu. V. Zvyagintseva	45	32
Oxidative Demethylation of Pangamic Acid and Some of Its Derivatives. N. V. Solov'eva, I. N. Garkina, and V. N. Bukin	51	37
Proteolytic Breakdown of α - and β -Casein by the Lactic Acid Bacteria. V. N. Shidlovskaya and P. F. D'yachenko	56	41
Spore-Forming Anaerobes in Milk, Milk Products, and Silage. A. V. Gudkov	60	44
Methods of Isolation, Cultivation, and Preservation of Lactic Acid Bacteria. E. I. Kvasnikov and O. A. Nesterenko	68	50
Determination of Lactobacilli Species According to Physiological Characteristics and Biochemical Activity. A. A. Lentsner, M. A. Toom, M. N. Voronina and M. E. Mikel'saar	76	57
Transformation and Utilization of Cholesterol by Microorganisms. L. M. Kogan, I. I. Zaretskaya, Zh. D. Sys, O. B. Tikhomirova, G. K. Skryabin, and I. V. Torgov	82	62

(Continued)

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- 195 -

	Russian page	English page
Comparative Evaluation of the Petro-Disk and Test Tube Microbiological Methods for Estimating Vitamin B ₁₂ with <i>Escherichia Coli</i> . V. V. Pchelkina and E. S. Pankshava	88	63
Production of Fodder Carotene from the Mycelium of <i>Blakeslea Trispora</i> . I. G. Pivnyak	93	71
The Effect of Various Nitrogen and Carbon Nutrient Sources on the Accumulation of Cellulases by Microorganisms Isolated from Soils of Eastern Siberia. V. P. Kishitayna and K. A. Kozlov	97	74
Synthesis of B Group Vitamins by Yeast Strains of the Genus <i>Candida</i> when Grown on n-Alkanes. T. E. Popova	103	78
Intensification of Yeast Activity by Application of Chlorohumates. L. N. Kazanskaya, S. S. Mal, V. Ya. Revsin, and O. V. Afanas'eva	108	82
A Study of Cognac Lignin and Tannins by IR, UV, and NMR Spectroscopy. I. M. Skurikhin	113	85
Modification of the Microdiffusion Method of Ammonia Determination. V. I. Lyubimov, N. P. L'vov, and B. E. Kirshtein	120	90
Brief Communications		
Activity of Some Dehydrogenases in Mutants of <i>Brevibacterium 22</i> Producing Lysine and Alanine. P. P. Grivin	122	91
Amylose and Amylopectin Composition of Millet Starch. I. Rakhimbaev	125	94

Available from The Faraday Press

SOVIET PUBLIC HEALTH

Vol. 29, No. 3, 1970

Selected articles from the Russian-language periodical *Sovetskoye Zdravookhraneniye* published by the Ministry of Health USSR.

CONTENTS	PAGE
The Lenin Legacy and Public Health.....	1
Problems Concerning the Training and Distribution of Physicians in the RSFSR (1959-1966) (S. Ya. Chikin, Ya. A. Alekseyev).....	9
Improving Public Health Economics (M. K. Kuriyanov, et al).....	17
Morbidity and Mortality of Myocardial Infarction in Khar'kov in the 1961-1967 Period (Z. A. Gurevich, N. A. Galicheva).....	22
Algorithm for Planning Polyclinic Service (I. V. Polyakov, G. D. Rakhmanin).....	28
Experience in the Organization of Endocrinological Service to an Urban Population (N. V. El'shteyn, R. S. Miroshnichenko).....	38 (Contd)
Available from JPRS 50495	

- 198 -

On the Strong Law of Large Numbers.....	V. V. PETERG	183
Integral Limit Theorems for Functions of Large Deviations and a Corollary when Cramér's Condition Does Not Hold II.....	A. V. SAVIN	193
Canonical Expansion of Birth and Death Processes.....	G. K. LAGISEN	209
On Estimates of Transition Intensities with Migration.....	YU. I. KIROV	219
Limit Distributions of Some Functionals of a Stationary Gaussian Process.....	YU. M. RYZHOV	229
On Asymptotic Estimates in a Dynamic Decision-Making Problem.....	B. T. PETEL	244
Behavior of Coexcessive Functions Near the Martin Boundary. I.....	M. G. SHOR	263
Optimal Strategy in Games with an Unbounded Sequence of Moves.....	YU. I. KHER	279
Asymptotic Normality of the Number of Crossings of Level Zero by a Gaussian Process.....	T. L. MALIVICH	287
Characteristics of Excursions above a High Level for a Gaussian Process and Its Envelope.....	YU. K. BELYAIV and V. P. NOSKO	296

SHORT COMMUNICATIONS

Refinements of Kolmogorov's Inequality.....	P. WHITEL	310
On a Problem of C. R. Rao.....	I. V. OSTROVSKII	312
Some Theorems of the Type of the Strong Law of Large Numbers.....	V. N. TUTUBALIN	313
On the Number of Observations Required to Test Two Hypotheses for the Binomial Distribution Parameter.....	I. N. VOLODIN	320
On the Problem of the Joint Distribution of Frequencies of s -chains in Compound Markov Chains with a Large Number of States.....	P. F. BELYAIV	324
On Itô's Stochastic Integral Equations.....	N. V. KRYLOV	330
Some Explicit Formulas in the Theory of Branching Random Processes with Discrete Time and One Type of Particles.....	B. I. SELIVANOV	336
The Distribution of the Eigenvalues of Random Cyclic Matrices.....	V. M. DUBNER	342
Probability Distribution of the Area Bounded by a Gaussian Random Contour.....	V. I. KLYATSKIN and V. I. TATARSKII	344
An Asymptotic Estimate for the Probability that a Gaussian Stochastic Process Remains below the Line $kt+a$	R. N. MIROSHIN	349
A Statistical Integral for a Gaussian Process.....	E. A. BEGOVAIOV	354
Unbiased Estimates of Density Functions.....	YA. P. LUMEL'SKII and P. N. SAPOZHNIKOV	357
Confidence Limits for Linear Functions of Unknown Parameters.....	YA. P. LUMEL'SKII	364

REVIEWS AND BIBLIOGRAPHY

Review of J. Hájek's and Z. Šidák's <i>Theory of Rank Tests</i>	D. M. CHIBISOV	368
New Books.....		370

Available from Society for Industrial Applied Mathematics

ТРУДЫ МЕТАЛЛУРГИИ

Vol 9, No 6, 1968

Труды Металлургии
Non-Ferrous Metals

Table of Contents
June, 1968

Vol. 9, No. 6
English Translation

A. M. Epstein DESIGN TRENDS AND CHOICE OF EFFECTIVE DESIGNS FOR MODERN ALUMINUM PLANTS.....	1	(1)
T. F. Poltaranina EFFECT OF ORE QUALITY ON FLOTATION.....	8	(6)
V. I. Slepov and M. Ya. Ryskin DYNAMIC MODEL FOR A ONE-STAGE GRINDING CYCLE.....	12	(9)
Yu. S. Rodnev TESTS ON FLOTATION OF LEAD ORE WHEN IT IS GROUND IN A CLOSED CYCLE, USING A FLOTATION CLASSIFIER.....	18	(13)
M. E. Garber, I. I. Tsypin, and I. S. Markin WEAR-RESISTANT CAST IRON - AN IMPORTANT AID IN INCREASING THE SERVICE LIFE OF ORE-DRESSING EQUIPMENT.....	22	(17)
G. V. Vinogradov and L. F. Erofeev USE OF TYPE S-656 VIBRATION UNLOADERS TO FREEZE BULK AND LOOSE MATERIALS.....	27	(20)
I. G. Chikharovich and V. V. Bokhanov A BRANCH AUTOMATED SYSTEM OF CONTROLLING NON-FERROUS METALLURGICAL ENTERPRISES.....	32	(24)
V. A. Vorob'ev, V. Ya. Zaitsev, M. M. Zolkina, G. G. Moiseeva, O. I. Skorokhodova, and I. S. Firyofo USE OF AIR WHEN CONVERTING NICKEL MATTES.....	37	(28)
V. A. Leitsin, S. D. Grekov, M. S. Boguslavskii, A. I. Vanzha, and E. I. Nikiforova DEZINCING NICKEL ELECTROLYTE WITH NICKEL PHOSPHATES.....	40	(30)
M. S. Unzhakov, L. P. Neverov, and N. A. Gasukha NEW SLAG-FUMING UNITS AT THE UST'-KAMENOGORSK LEAD-ZINC COMBINE.....	43	(32)
V. Sh. Aizenber, A. P. Gryazev, O. G. Komissarov, V. P. Savraev, B. A. Smirnov, and V. N. Tsessarskii FINE FILTRATION OF PROCESS AND WASTE GASES FROM LEAD PRODUCTION WITH THE AID OF JET BLAST BAG FILTERS.....	51	(37)
S. Kh. Kamukov and L. A. Rodina AUTOMATIC CONTROL OF CHLORINE REMOVAL AT THE ELEKTROTSINK PLANT.....	57	(43)
V. P. Topchaev and K. V. Dulaev AUTOMATIC CONTROL OF MERCURY-ORE ROASTING IN MUFFLE FURNACES.....	60	(45)
I. V. Veselov and A. V. Eglitis USE OF ELECTROMAGNETIC PUMPS TO CONVEY AND POUR MOLTEN NON-FERROUS METALS.....	65	(49)
M. A. Korobov, I. M. Kravtsov, G. Ya. Nyurenberg, and V. S. Semenov ARTIFICIAL COOLING OF SELF-BAKING ANODES FOR ALUMINUM ELECTROLYTIC CELLS WITH OVERHEAD CURRENT FEED	68	(52)
V. V. Robozarov and M. M. Vetyukov IMPROVING THE PROPERTIES OF SELF-BAKING ANODES BY B_2O_3 ADDITIONS.....	72	(55)
S. S. Nurkeev, Kh. N. Nurmagambetov, S. A. Shcherban, and V. D. Ponomarev EFFECT OF HEATING AND COOLING CONDITIONS ON Al_2O_3 AND Na_2O EXTRACTION DURING SINTERING OF RED LID.....	76	(58)
Kh. L. Strelets, N. V. Bondarenko, and A. P. Egorov DETERMINING CURRENT EFFICIENCY IN MAGNESIUM ELECTROLYZERS.....	79	(59)
G. M. Volkov and V. N. Barabanov ON THE REPRESENTATIVENESS OF SAMPLES USED IN TECHNOLOGICAL RESEARCH ON ELECTRODE PRODUCTION.....	81	(61)
S. V. Shulepov, G. V. Dmitrieva, M. A. Ryss, and E. A. Shuvaev FRICTION COEFFICIENTS AND VISCOSITY OF ELECTRODE PASTE.....	83	(62)
E. A. Arutyunov, V. M. Mal'shin, I. I. Sokolon, and I. M. Tseluiko NICKEL IMPURITIES IN PRODUCTS OBTAINED FROM TITANIUM-MAGNESIUM PRODUCTION.....	88	(66)
V. G. Chukhlantsev, K. V. Alyamovskaya, and Yu. M. Polezhaev DECOMPOSITION OF ZIRCON WITH SODA.....	91	(68)

Available from Primary Sources
Vol 9, No 6, 1968

(Cont.)

A. I. Chernyak, G. G. Minoov, N. S. Kleshchenko, M. A. Yakovlev, G. Ya. Druzhina, M. I. Korytin, and V. Ya. Sherstov TECHNOLOGY OF EXTRACTING TANTALUM AND NIOBIUM FROM INTERMEDIATE PRODUCTS OF TIN-TUNGSTEN PRODUCTION.....	94 (70)
L. N. Rykhover and I. L. Peisakhov THERMOCHEMICAL STRENGTH OF GLASS FIBER USED IN BAG FILTERS.....	97 (72)
TWENTY-FIFTH ANNIVERSARY OF THE BEREZNIKI (ORDER OF THE RED BANNER OF LABOR) TITANIUM-MAGNESIUM COMBINE.....	101 (75)
G. P. Pichugin, V. N. Filatov, and V. T. Golovkin REDESIGN OF THE KHPT-32 COLD-ROLLING MILL.....	102 (76)
V. I. Krabets PRELIMINARY OXIDE COATING OF NICKEL WIRE TO INCREASE THE STRENGTH OF DRAWING DIES.....	105 (78)
F. S. Dolzhenkov, L. A. Zakharov, M. L. Gol'din, M. B. Tobol'skii, D. I. Piryazov, V. M. Ospishcheva, and O. A. Myakshin USE OF SUBLAYERS IN THE TITANIUM-STEEL BIMETAL.....	107 (79)
M. I. Khorev EFFECT OF ANNEALING SCHEDULE ON TENDENCY TO WAVY FORMATIONS OF ALUMINUM STRIPS.....	109 (81)
V. A. Livanov, G. I. Eskin, N. A. Genisaretskii, V. P. Gorokhov, A. I. Skuchilov, V. I. Slotin, P. N. Shvetsov, and L. M. Kofman ULTRASONIC REFINING OF ALUMINUM AND ITS ALLOYS.....	111 (82)
L. G. Stepaniskii and V. S. Starikov CALCULATION OF HEAT RELEASE DURING EXTRUSION...	114 (85)
V. S. Kushel'man, V. A. Komissarov, and N. N. Pis'menny SELECTING CASTING UNITS FOR PRODUCTION OF ALUMINUM PIGS.....	117 (87)
175TH ANNIVERSARY OF THE METALLURGICAL PLANT ON MATISOV ISLAND.....	121 (90)

NOTE: Numbers in parentheses represent page numbers in Russian original.

RUSSIAN ABBREVIATIONS IN TEXT

CC CPSU.....	Central Committee, Communist Party, Soviet Union.
Gintsvetmet.....	State Institute of Non-Ferrous Metals.
Gipronikel'.....	State Institute for the Design and Planning of Nickel Establishments.
Giredmet.....	State Rare Metals Scientific Research Institute.
Gosplan.....	State Planning Committee of the Council of Ministers of the USSR.
GOST.....	All-Union State Standard.
Mekhanobr.....	Scientific Research Institute for Mechanical Concentration of Minerals.
NIILTASH.....	State Scientific Research Institute for Casting Machinery and Technology
ITO.....	Scientific and Technical Division.
TsIIN Tsm.....	Central Office for Information on Non-Ferrous Metals.
TsNIIETPS.....	All-Union Research Institute for the Ministry of Railroads.
UKSTsk.....	Ust'-Kamenogorsk Lead-Zinc Combine.
VAMI.....	All-Union Aluminum and Magnesium Institute.
VNIItroidormash.....	All-Union Scientific Research Institute of Construction and Road Machinery.

Available from Primary Sources
Vol 9, No 6, 1968

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES

Vol. 25, No. 2, 1970

Complete translation of the Russian-language
journal Vestnik Akademii Meditsinskikh Nauk
SSSR published in Moscow by the Meditsina
Publishing House.

CONTENTS	PAGE
On the Centennial of the Birthday of V.I. Lenin: Lenin and Science (B.M. Potulov)	1
Virulence of Rickettsia prowazekii Strain E Increased After Passages on Guinea Pigs. Report II (N.M. Balayeva, V.N. Nikol'skaya)	19
Experimental Prerequisites for Substantiation of the Possible Role of Ticks in Epidemiology of Typhus (Exanthematic) (V.F. Ignatovich, I.M. Grokhovskaya)	27
The Effect of Antineoplastic Chemotherapeutic Agents on Episomic Resistance Determinant in Bacteria (A.Z. Smolyanskaya)	37
Adrenocortical Steroid Hormone Metabolites in the Urine of Patients with Pulmonary Carcinoma (K.D. Smirnova, N.I. Lazarev)	45
Some Biochemical Findings on Patients with Primary Cancer of the Liver as Related to Chemotherapy (L.P. Pashintseva, et al.)	51
Concomitant Paraspinal Shadow and Changes Therein in Patients with Myelosis (B.M. Rassokhin, N.I. Rybakova)	58 (Contd)

Available from JPRS 50285

CONTENTS (Continued)

Page

Diagnostic Significance of Pneumothoridography (N.I. Rybakova, R.M. Propp)	65
---	----

Ultrastructural Features of the Final Stages of Mitosis in Tissue Culture Cells (N.A. Starosvetskaya)	70
---	----

Experience of Mathematical Analysis of Capillary-Neuronal Relations in Vegetative Ganglia of the Intestine (Ye.P. Mel'man, et al.)	77
--	----

Some Variants of Normal and Pathological Fetal Electroencephalograms (K.V. Chachava, et al.)	87
---	----

LITERATURE SURVEY

Present-day Concepts of the Cholinoreceptor (S.N. Golikov, S.G. Kuznetsov)	93
---	----

BOOK REVIEWS

<u>The Life Span</u> , by M.S. Bednyy (Yu. A. Dobrovol'skiy, N.M. Vasyukov)	118
--	-----

<u>Biology and Neurophysiology of the Conditioned Reflex</u> , by P.K. Anokhin (L.S. Gambaryan)	123
---	-----

CURRENT EVENTS

Joint Scientific Session of the Institute of Neurology, USSR Academy of Medical Sciences, and Institute of Neurology, Academy of Sciences of the Socialist Republic of Romania, Dealing with Cerebral Apoplexy (K.F. Kanareykin)	126
--	-----

Abstracts of Articles Published in this Issue	133
---	-----

Available from JPRS 50285

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES

VOL. 15, No. 8, 1976

Complete translation of the Russian journal Vestnik Akademii Meditsinskikh Nauk SSSR published in Moscow by the Medical Publishing House.

CONTENTS	PAGE
Current Conception of the Correlation Between Structure and Function (A. I. Strazhev)	1
Structural Bases of Unity, Difference and Correlation Between Forms of the Pathological Process (Philosophical Aspect) (E. I. Strigacheva)	6
Philosophical Interpretation of Correlations Between Structure and Function in Simulating Tissular Processes (L. S. Khlystova)	17
Present Stage of Development of Conceptions on Unity of Structure and Function (D. S. Sarkisev)	22
Correlation Between Structure and Function under Normal and Pathological Conditions (A. A. Manina)	33
Structural-functional Bases of Renal Pathology (V. V. Serov)	41
	(Contd)
Available from JPRS 50497	

- 205 -

HERALD OF COMMUNICATIONS

Vol. 10, No. 1, 1970

ISSN

All articles in the publication are prepared by the Hermitage, published by the Ministry of Communications of the General Directorate of the Communications Administration.

CONTENTS

PAGE

RADIO COMMUNICATIONS EQUIPMENT

Reception Receiver "Teng-70"	1
Standard High-Frequency Coupling Elements	3
Receivograph "Yantar"	5

TEKHNİK SİYAZI

Exhaustible Resources in Scientific Organization of Labor (V. N. Lebedev)	6
--	---

COMMUNICATIONS ENGINEERING

Time-Division Multiplexing Equipment for Local Telegraph Lines (TVC-12) (L. I. Yaroslavskiy et al.)	11
Device for Measuring Intermodulation Distortions of Sound- Portion Channel (A. N. Mutafi)	21

(Contd)

Available from JPRS 50482

Available from JPRS 50482

VESTNIK SVYAZA
1947, 1948, 1949

Young Pioneer Post Office, Interlibrary Subscription

Available from the Young Pioneer Post Office, Moscow, U.S.S.R.

Book: New Year's Greetings.....	66
Review: A description of the Young Pioneer Post Office.....	70
Subscription: The Young Pioneer Post Office.....	81
Abstracts of Articles Published in Vestnik SVYAZA.....	87
Current Events.....	89

Available from JPRS 90402

CONTENTS

M. S. ANTONOV, V. I. ZHURAVLEV and V. I. KRYAZEV: Synthesis of polyacetylenes	71
YE. S. GILMAN, I. A. SUDOV, I. M. SHCHERBA, YE. YE. KREMER, N. P. ALEKSEYEV and V. A. MIRONOV: A theoretical study of the cationic polymerization of propylene	77
H. S. KATAYAMA, H. YA. FOMIN and V. N. FOMIN: Synthesis and properties of polyacetylenes with substituted hydrazine	101
YE. G. KRAYCHAK, M. I. GOMKASOV, I. I. YASHMANOVA, I. D. KALCHIKOVA, YE. N. BELYKH and M. I. SHCHERBA: Cationic polymerization of the methyl ether of diisobutyric ethylacrylate	103
YE. S. GILMAN and I. A. SUDOV: Molecular and kinetic features of a polymerization reaction	107
Z. A. VASILEV, A. V. KRAVCHENKO and S. P. MISKINSKY: The cationic polymerization of acrylonitrile in the presence of a complexing agent in the absence of homogeneous species	110
V. P. KOSITSINA and M. A. KOSTOMAROVA: Mechanism of the reaction between a polymer and a monomer	120
V. Z. NERENOV, I. B. SHCHERBA, V. RABIN, YE. V. SHCHERBA and YE. A. YEMELIN: Contribution of the complexing agent to the cationic copolycondensation of complex monomers	130
YE. I. KRAYCHAK, YE. B. MIRONOVA and V. N. FOMIN: VC polymerization in the presence of the stabilizer Me ₂ CH ₂ CO ₂ H and the participation of a complexing agent in the reaction	145
V. A. KALININ, G. M. BAKHINA, Z. YA. BLOKINSKYA, YE. V. ZELENA, V. G. KALASHENKOVA and I. A. OSINENKO: The dielectric properties of polypropylene with different macromolecular structure	155
V. YU. SUDOV and I. A. BAKHINSKYA: Some solution properties and the molecular structure of styrene-methyl methacrylate graft copolymers	163
F. F. SUDOVINA and O. F. BAKUMENKO: Radiation copolymerization of methyl methacrylate with styrene	171
V. M. ZHURAVLEV, M. G. GOSIKOV, A. I. GOFF and V. N. ZAGORITSINA: Pressure effect on the transition state during the radical polymerization of methyl methacrylate, vinyl chloride and acrylonitrile in the presence of butyric acid as chain transfer agent	177
I. A. MIRONOV, YE. A. SHCHERBA, A. V. KALININ and A. I. MARIN: The question of mesomeric interaction in polydimethylsiloxanes (PDMS)	182
V. A. PAVLOV, T. I. YENZOVA, A. I. KOZHANSKIY and N. N. KUKARIN: Synthesis of peroxide-functional, butadiene-styrene emulsion copolymers	182
M. G. KRAYCHAK and S. S. SKOTOKHOV: The polymerization of higher diazobutanes	194
N. A. PRATO, I. B. ZAVAROVA, V. V. MAL'ISEV, K. S. MISKIN, G. T. FEDOSEYENA and V. A. KALININ: Copolymerization of vinyl chloride with triethylvinyltin	194
V. A. SUDOV, I. A. NIKITINA, A. A. BATURINA, A. F. LUKOVNIKOV and N. S. YENIKOLOPYAN: Oxidation of polyoxymethylenes	199
F. S. D'YACHENSKII, G. A. KAZARYAN and N. S. YENIKOLOPYAN: Mechanism of the cationic polymerization of styrene	205
V. V. RUBE, YE. M. BONDARENKO, A. V. D'YACHENSKII, YE. S. KIRSGAUZ and V. V. KORSHAK: Effect of the structure of some polyheteroarylenes on their heat resistance	235
YE. G. PERMAN, A. S. FOMENKO, T. M. ABRAMOVA, E. P. DAR'YEA and I. A. SPIRINA: Radiation oxidation and radiolysis of poly-ε-caprolactide in the presence of antioxidants	245
N. M. SEMOV, D. A. KORYEV, M. A. DAVIN, D. M. LITSYNS and N. M. CHIRKOV: Effect of some parameters of the process on the kinetics of the copolymerization of ethylene with 2-amylene	255
V. A. KORYEV and A. N. PRAVEDNIKOV: Composition of the products and mechanism of the thermal degradation of polyaryleneoxides	261
YE. I. FISKELSHTEIN and A. D. AUKIN: Low-temperature radiation polymerization of acrolein in solid-state post-polymerization	268
A. A. BERLIN, R. V. KRONMAN, YE. F. SAMARIN, T. S. KOZLOVA, L. M. KRASNOVA and I. G. SUMIN: Effect of the structure of the mortobasic acid in oligoesteracrylates on the behaviour of their polymers	275

(Contd.)

Available from Pergamon Press

V. S. MERIKAS, A. P. JONIN and V. A. FASHEV: Dissolution of polyconjugated units	981
I. P. SOTOMAYAKA, A. D. ARON and R. A. KROVCHENKO: The role of additives in asymmetric polymerization of 1,1-dichloroethene in the presence of chiral catalysts	986
D. A. KROKIN, I. S. NOVOSELOVSKAYA, M. A. GUCHAROVA, A. N. ZHIDEN, P. I. ZINOV, V. I. KASATSKIN, R. A. TERLOVYAN and A. B. LOSOV: Study of the physical and chemical behavior of ethylene-tetrafluoroethylene copolymers	992
L. N. MASLOVANSKIY, A. S. MURAVYEV, K. I. I. S. OKROKOVSKIY: Heterochemodisasters of 1,4-dichloroethene and 1,2-dichloroethane	997
A. I. SOKOLOV, S. A. MURAVYEV and A. G. YAKOVLEV: Synthesis and properties of a polyacetylene derivative	1002
A. G. OLEVIN, A. S. DOLGOV, K. I. MURAVYEV, A. G. RAYEVSKIY and S. S. VOYTESKIY: Study of the mechanism of polymerization of styrene monomers by different thermal paths	1012
G. S. RYKOVA, L. P. YASOVA, V. A. FASHEV and G. G. RYKOVIKOVA: Structural properties of chloroacrylates obtained by radical grafting of polymers	1017
H. S. KROVCHENKO, A. S. SUDNOV and V. N. LAMM: Synthesis and study of polyamidoacrylates	1022
G. I. BUDOVICH, I. M. FUDMAN, P. A. KUDOV and V. A. KUDOV: Effect of orientation on structural changes in quartz over a wide range of temperature	1030
A. A. ZINOVY and A. I. ANTONOVA: Comparison of different methods of converting dynamic and mechanical characteristics of polymers from one temperature-frequency range to another	1040

Available from Pergamon Press

LUKASZ

(Contd.)

Vol 29, No 5, 1969

Vol. 24, No. 1, 1964

JOURNAL OF GENERAL CHEMISTRY

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Volume 39, Number 10

October, 1969

CONTENTS

Engl./Russ.

Aleksandra Ivanovna Zakharova: in Memoriam — S. N. Danilov, G. M. Murashov, K. A. Ogloblin, T. I. Temnikova, and I. A. Favorskaya	2097 2147
Complex Formation of Scandium Chloride with Nitrogen-Containing Organic Ligands — N. L. Firsova, Yu. V. Kolodyazhnyi, and O. A. Ostrov	2101 2151
Peculiar Features of the Thermal Decomposition of Dialkylchlorodipalladium — G. B. Kazarinov and G. A. Domrachev	2105 2155
Kinetics of the Oxidation-Reduction Reaction between Sodium Sulfite and Potassium Chlorate in an Acid Medium — N. A. Dobrynin, N. P. Dymarchuk, and K. P. Mishchenko	2107 2157
Liquid-Vapor Equilibrium in the Systems $\text{CH}_3\text{SiCl}_3\text{—CCl}_4$ and $\text{CH}_3\text{SiCl}_3\text{—TiCl}_4$ — I. I. Lapidus, L. A. Nisels' son, and Z. A. Kulakova	2112 2163
Dipole Moments and Dielectric Losses of Iodite Complexes of Aromatic Hydrocar- bons — A. S. Grishchenko, Yu. V. Kolodyazhnyi, and O. A. Ostrov	2114 2165
Polarographic Investigation of the Kinetics of the Reactions of α, β -Unsaturated Ke- tones with Phenylhydrazine — V. D. Bezuglyi, L. A. Kotok, N. P. Shimanskaya, and V. E. Bondarenko	2116 2167
Polarographic Behavior of Some Monopyrazolines and Bipyrazolines with Bridge Groupings — N. P. Shimanskaya, V. D. Bezuglyi, and V. E. Bondarenko	2120 2171
Electrochemical Synthesis of Organophosphorus Compounds. II. Electrochemical Reduction of Yellow Phosphorus in Methanol in Presence of Alkyl Halides L. F. Filimonova, L. V. Kaabak, and A. P. Tomilov	2123 2174
Electronic Effects of Phosphorus-Containing Substituents. Induction and Resonance Constants of Substituted Phosphinyl Groups — E. N. Tsvetkov, D. I. Lobanov, L. A. Izosenkova, and M. I. Kabachnik	2126 2177
Phosphorus Iodides. II. Aromatic Derivatives of Diphosphorus Tetraiodide, Phos- phorus Triiodide, and Phosphorus Pentaiodide — N. G. Feshchenko, T. V. Kovaleva, and A. V. Kirsanov	2133 2184
Alkylation of 1,2-Diaryldiiododiphosphines. II — N. G. Feshchenko, T. V. Kovaleva, and A. V. Kirsanov	2137 2188
N-(2,2,2-Trichloroethylidene)acetamide — B. S. Drach, A. D. Sinit'sa, and A. V. Kirsanov	2141 2192
Reactions of P-Alkylphosphonamidic Esters with Oxalyl Chloride — V. A. Shokol, G. A. Golik, and G. I. Derkach	2146 2197
Phosphoranylideneamino Aldehydes and Ketones — I. N. Zhmurova, A. A. Tukhar', and R. I. Yurchenko	2150 2201
Phosphorylation of 2,2-Disubstituted Succinonitriles — V. I. Shevchenko, V. P. Kukhar', and N. R. Litovchenko	2152 2203

(Contd.)

Available from Consultants Bureau

Decomposition of Di- and Trialkyl Phosphites and Phosphonates

— V. P. Maslennikov, V. P. Sergeeva, and V. A. Shashanov	2157	2210
Attempted Synthesis of (Disubstituted Phosphinyldi)phosphorimidic Trichlorides and the Transformations of These Intermediates — A. Ya. Yakubovich, I. M. Filatova, E. L. Zaitseva, and A. P. Simonov	2161	2213
Isomerism of Derivatives of (2-Carboxyvinyl)diethylphosphinic Acid — A. N. Pudovik, G. V. Dmitrieva, Yu. Yu. Samitov, R. R. Shagidullin, and V. K. Khatrollin	2166	2219
Reactions of Trialkyl Phosphites with Bischloromethyl Ether — A. N. Pudovik, E. A. Shmaeva, I. V. Shergina, and R. M. Galeeva	2170	2223
Reactions of Trialkyl and Acetyl Dialkyl Phosphites with Mono-, Di-, and Tri-Chloroacetyl Chlorides — A. N. Pudovik and T. Kh. Gazizov	2172	2225
Reactions of Dibutylphosphinothioic Acid with α -Oxo Carboxylic Esters, α -Oxo Phosphonic Esters, and α -Diketones — A. N. Pudovik, I. V. Gur'yanova, M. G. Zimin, and A. A. Sobunov	2177	2231
Reactions of Dialkyl Hydrogen Phosphites and Alkyl Hydrogen Phosphoramidites with Tri-chloroacetic Esters — V. S. Abramov and N. A. Il'ina	2180	2234
Some Properties of Alkyl Hydrogen Phosphoramidites — V. S. Abramov, N. A. Il'ina, and I. N. Yuldasheva	2183	2237
Phosphonic and Phosphonous Derivatives. LXI. Mobility of Methylene Hydrogen Atoms in Phosphorylated Acetic Esters — A. I. Razumov, N. G. Zabusova, and P. A. Parzivolova	2186	2240
Organic Derivatives of Group V and Group VI Elements. X. Mass Spectra of Tetraethyl-distibine, Diethyl Diselenide, Diethyl Ditelluride, and the Corresponding Monoderivatives. Interpretation of Mass-Spectral Intensities — G. M. Bogolyubov, N. N. Grishin, and A. A. Petrov	2190	2244
Reactions of Ketene with Trialkyl Phosphite Complexes of Cuprous Halides — I. F. Lutsenko, M. A. Kazankova, and I. G. Malykhina	2197	2253
Reactions of Products of the Hydrolysis of Unsaturated Phosphorylated Acetals with Dienic Hydrocarbons — V. V. Kormachev, V. S. Tsivunin, N. A. Koren', A. A. Kutuev, and G. N. Kletsko	2201	2256
Some Aromatic Phosphoric Esters and Their Properties — E. D. Vilyanskaya, L. N. Kirichenko, and M. M. Razarenova	2206	2262
Preparation of O-Alkyl Phosphorodiamidoselenoates — I. A. Nuretdinov, L. K. Nikonorova, and N. P. Grechkin	2209	2265
Stagewise Synthesis of Oligonucleotides. IV. 5'-O-1-Butoxyethyl Derivatives of Cytidine, Adenosine, and Guanosine 3'-Phosphates and 2',3'-Cyclophosphates — É. A. Sedel'nikova and S. M. Zhenodaro	2211	2268
Reactions of (Aminoalkoxy)- and Alkoxy(aminoalkoxy)-titaniums with Hydrogen Chloride. III. Reactions of (Aminoalkoxy)- and Alkoxy(aminoalkoxy)-titaniums Containing a Primary Amino Group with Hydrogen Chloride — E. V. Kuznetsov, É. K. Ignat'eva, and L. A. Émikh	2214	2271
Reactions of Organomercury Compounds with Carbon Tetrachloride — S. F. Zhil'tsov, L. F. Kudryavtsev, O. M. Druzhkov, and G. G. Petukhov	2219	2276
Synthesis of Heterocyclic Compounds from Chloro(chloromethyl)dimethylgermane — V. F. Mironov, S. A. Mikhailyants, and T. K. Gar	2223	2281
Reactions of (Alkenyloxy)trimethylsilanes with Chlorodimethylsilane — V. L. Kozlikov, N. S. Fedotov, and V. F. Mironov	2226	2284
Vinyl Ethers Containing an Epoxy Group. IV. Hydrosilylation of 1,2-Epoxy-3-[(vinylloxy)-alkoxy]propanes — A. S. Atavin, M. F. Shostakovskii, E. P. Vyalykh, B. A. Trofimov, and G. A. Kalabin	2230	2289

(Contd.)

Available from Consultants Bureau

Formation of Chlorotrimethylsilane as a Result of Secondary Disproportionation Processes of Dichlorodimethylsilane — N. G. Morozov, S. A. Galubisov, K. A. Andrianov, and G. I. Bink			2234	2294
Nitrogen-Containing Organosilicon Compounds. XXIII. 2-[(Triorganosilyl)methylamino]ethanols — E. Lukevits, L. I. Libert, and M. G. Voronkov			2237	2297
Carbon- and Organosilicon Compounds. VIII. Reactions of Cyanates with (Haloalkyl)silanes — A. I. Bondarenko and N. I. Mityan			2239	2299
Polyfluoroaromatic Silicon Derivatives. III. Bisdimethylsilyltetrafluorobenzenes and Allied Compounds — Yu. A. Yuzhelevskii, A. I. Klebanskii, E. G. Kagan, N. B. Zaitsev, I. Yu. Psereteli, A. V. Esharlanova, and O. N. Laronova			2242	2307
Polyfluoroaromatic Silicon Derivatives. IV. Chlorosilanes with Polyfluoroaromatic Substituents — A. I. Klebanskii, Yu. A. Yuzhelevskii, E. G. Kagan, and O. N. Laronova			2248	2309
Synthesis of 1,1'-Disilaalkylenebissemicarbazides — G. S. Gol'din, S. N. Tsilomo, I. V. Shenokina, and V. P. Kozyukov			2251	2313
O- and C-Heteroorganic Isomers. VIII. Reactions of Mercurated Acetic Esters with Dialkylthioacetins and Thiobis(trialkyltin)s — Din' Kh'yu Nguen, I. Yu. Belavin, G. S. Burlachenko, Yu. I. Baikov, and I. F. Lutsenko			2253	2315
Synthesis of Pentafluorophenylated Alcohols and the Corresponding Olefins — E. M. Marek, I. P. Kolenko, N. A. Ryabinin, and Yu. N. Agishev			2257	2319
Synthesis of 2-(αH,αH,ωH-Polyfluoroalkoxy)-5-(trifluoromethyl)-m-phenylene Diisocyanates — B. F. Malichenko and A. V. Yazlovitskii			2261	2323
Rearrangement of Tetrafluorobenzobarrelene in Reactions with Halogenating Agents. I — I. N. Vorozhtsov, E. I. Berus, B. G. Derendyaev, and V. A. Barkhash			2264	2326
Rearrangement of Tetrafluorobenzobarrelene in Reactions with Halogenating Agents. II — I. P. Lobanova, E. I. Berus, and V. A. Barkhash			2269	2332
Semicarbazones and Thiosemicarbazones of the Heterocyclic Series. VII. Methylation and Tautomerism of 5H-as-Triazino[5,6-b]indol-3-ols — I. S. Ioffe, A. B. Tomchin, and E. N. Zhukova			2274	2339
Semicarbazones and Thiosemicarbazones of the Heterocyclic Series. VIII. Transformations of Isatin 3-Semicarbazones in an Alkaline Medium — I. S. Ioffe, A. B. Tomchin, and E. A. Rusakov			2280	2345
[Ethylenebis[(2-sulfoethyl)imino]]diacetic Acid as a New Complexing Agent — G. N. Tyurenkova, L. G. Egorova, K. N. Klyachina, and I. Ya. Postovskii			2286	2351
The Hydrogen Bond, and Dielectric Constants of Binary Mixtures of Phenols and Amines with Acetone — A. E. Lutskiĭ and V. V. Panenko			2288	2353
Synthesis of 2-Deoxyaldonic Esters and 2-Deoxy Sugars — Yu. A. Zhdanov, V. I. Kornilov, and L'yu Dyk Shung			2294	2360
Compositions and Structures of Substances Prepared from Sclareol. III. Compounds Isolated in the Oxidation of Sclareol with Chromic Acid Mixture — V. E. Sibirtseva, E. G. Chauser, and S. D. Kustova			2297	2363
LETTERS TO THE EDITOR				
Induced Decomposition of Group IV Heteroorganic Peroxides — Yu. A. Aleksandrov, B. V. Sul'din, and V. A. Shushunov			2299	2364
R₃Si- and R₃Ge-Exchange Reactions in Mercury Compounds — O. A. Kruglaya, B. I. Petrov, and N. S. Vyazankin			2300	2365
Bathochromic Effect in the Acylation of Amines with a Two-Donor Contrapolarized System — A. Ya. Kozhevnikova and V. A. Izmail'skii			2301	2366
Reaction of Tetrafluorohydrazine with Alkyl (Triphenylphosphoranylidene)acetals — A. V. Fokin, Yu. N. Studnev, L. D. Kuznetsova, and A. F. Kolomeets			2303	2367
(Contd)				

Available from Consultants Bureau

Condensation of Acyl Phosphites with 1,3-Diene Hydrocarbons - Zh. L. Evikbov, N. A. Razumova, F. V. Bagrov, and A. A. Petrov	2304	2307
Condensation of Phenylphosphonous Esters with 1,3-Diene Hydrocarbons - N. A. Razumova, F. V. Bagrov, and A. A. Petrov	2305	2308
Condensation of Methyl o-Phenylene Phosphite with Diene Hydrocarbons - N. A. Razumova, F. V. Bagrov, and A. A. Petrov	2306	2309
Reactions of P-Methylphosphonic Diamides and Diesters with 2-Aminoethanol - P. M. Zavlin, V. A. Zamora, and V. M. Shek	2307	2370
Phosphonate-Phosphate Transformation - N. N. Mel'nikov, K. D. Shvetsova-Shilovskaya, and I. L. Bogatyrev	2308	2370
Synthesis of 2,3-Epoxypropyl Esters of (2,2,2-Trichloro-1-hydroxyethyl)phosphonic Acid - Zh. V. Molodykh and V. I. Barabanov	2309	2371
Synthesis of Siloxanes Containing Si-Thienyl Groups - Yu. A. Yuzhelevskii, T. V. Kurlova, and O. N. Larionova	2310	2372
Total Synthesis of sn-Myoinositol 1-Phosphate - B. A. Klyashchitskii, V. V. Pimenova, V. I. Shvets, S. D. Sokolov, and N. A. Preobrazhenskii	2311	2373
Synthesis from Diterpenes. Products of the Epoxidation of Methyl Abietate - V. V. Titov, D. P. Popa, and L. V. Lazur'evskii	2312	2373
Synthesis of Labd-13-ene-8g,15-diol - D. P. Popa, V. V. Titov, and G. S. Pasechnik	2313	2374
Interpretation of the Mass Spectra of Organic Compounds - G. M. Bogolyubov	2314	2375

Available from Consultants Bureau

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Volume 42, Number 11

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CONTENTS

Engl / Russ

Treatment of Native Phosphates with Hot Alkali Solutions — E. A. Kirichenko, S. A. Britvina, and L. V. Shemyakina	2265 2401
Kinetics of Interaction of Fluorspar with Sulfuric Acid — S. V. Ostrovskii and S. A. Amirova	2269 2405
Physicochemical Principles of Causticization of Potassium Carbonate Solutions — G. O. Grigoryan and M. S. Movsesyan	2273 2409
Composition of Liquid Ammonium Carbonate-Urea Fertilizers — L. N. Erazier, I. M. Kaganskii, and T. A. Vorob'eva	2279 2416
Induction Periods of Barium Nitrate Crystallization from Aqueous Solutions — E. V. Khamiskii and E. A. Podozerskaya	2286 2424
Influence of Iron Compounds on Crystallization of Calcium Sulfate from Phosphoric Acid Solutions — B. A. Kopylev, T. V. Lyubchenko, and M. E. Pozin	2290 2429
Properties of the Crystallization Products of Glasses of the Compositions $\text{Li}_2\text{O} \cdot \text{Ga}_2\text{O}_3 \cdot 4\text{SiO}_2$ and $\text{Li}_2\text{O} \cdot \text{Ga}_2\text{O}_3 \cdot 3\text{SiO}_2$ — S. K. Dubrovo, M. V. Zasolotskaya, and T. S. Tsekhomskaya	2295 2434
Influence of Variation of the Chemical Composition of the Original Basalt Glasses on the Structure of Quartzoid Fibers — M. S. Aslanova, A. A. Myasnikov, Yu. P. Klimentova, V. A. Kanibolotskii, and Z. Z. Vysotskii	2300 2440
Stability of Water-Repellent Organosilicon Coatings under Hydrothermal Conditions — A. A. Pashchenko, A. I. Gaevskaya, S. I. Bass, and M. G. Voronkov	2306 2447
Unsaturated Solutions of Alkali Metals (Na + K) in a Molten Equimolar NaCl-KCl Mixture — M. V. Smirnov and N. P. Podlesnyak	2313 2454
Influence of the Cathode Material and of the pH of the Medium on Electrochemical Reduction of Nitrobenzene — N. A. Kurochkina and I. A. Kedrinskii	2318 2460
Electrochemical Studies of Alloys of the Zirconium-Tantalum System with Cleaning of the Surface under Electrolyte Solution — S. V. Chekhovskii, V. V. Andreeva, and I. Ya. Klinov	2323 2464
Rapid Continuous Quantitative Analysis of Fluorocarbon Mixtures with the Aid of the Time-of-Flight Mass Spectrometer — B. M. Dymshits, Ya. P. Koretskii, V. I. Lar, M. Ya. Turkina, and S. L. Dobyshin	2328 2470
Some Aspects of Hydroxide Formation during Electrodeposition of Iron — M. P. Melkov and B. V. Namakonov	2333 2476
Role of Oxy Compounds of Bromine in Oxidation of Glucose during Electrolysis of Bromide — M. Ya. Fioshin, I. A. Avrutskaya, and A. S. Makarevich	2337 2480
Electrolysis in Formate Electrolytes — V. P. Gladyshev and M. K. Naurzybaev	2341 2484

(Contd.)

Available from Consultants Bureau

Relation between the Catalytic and Electrochemical Activities of Activated Carbon (Charcoal) — V. I. Gants, E. N. Smirnova, V. V. Sysoeva, and N. N. Storchak	2345	2489
Polarographic and Chronopotentiometric Study of Lead Monoxide in Molten Sodium Hydroxide — Yu. K. Delimarskii, O. G. Zarubitskii, and V. G. Badnik	2349	2493
Study of the Thermodynamic Properties of the Magnesium-Aluminum System by the emf Method — M. M. Tsypkova and Kh. I. Strelets	2354	2498
Chemical Shifts of Water Protons and Coefficients of Self-Diffusion in Solutions of Nontonic Surfactants — V. G. Morachevskii, O. F. Bezrukov, A. N. Potanin, and V. P. Fokanov	2360	2502
Influence of Countercurrent Electroosmosis on Capillary Rise of Water in Brick Ceramics — E. V. Gribanova and O. N. Grigorov	2365	2509
Variation of the Stability of Polystyrene Latex Stabilized by a Nontonic Surfactant with Dilution and with the Degree of Saturation of the Globules with the Emulsifier — E. G. Bol'shakova, V. N. Beresnev, and N. I. Smirnov	2370	2515
Investigation of the Solubility of Oxygen in Liquid Derivatives of the Aromatic Series — N. K. Naumenko, N. N. Mukhin, and V. B. Aleskovskii	2376	2522
Synthesis of Urea in Presence of Hexamethylenetetramine — A. N. Sarbaev, V. I. Kucheryavii, and L. M. Kozenko	2382	2528
Continuous Multicomponent Rectification Calculations Based on the Principles of Thermodynamics of Irreversible Processes (Determination of the Compositions of the Distillate and Bottoms) — A. S. Vigdorov	2387	2533
Hydrodynamics of the Gas Lift and Derivation of an Equation for Gas Lift Design Calculations — R. A. Melikyan	2393	2539
Simple Mathematical Model of the Diazotization Process — V. A. Sidorov, B. V. Passet, and P. A. Kulle	2398	2545
Investigation of Liquid-Vapor Equilibrium and Tests of Thermodynamic Consistency of Experimental Data for a Ternary System with a Nonvolatile Component — I. S. Sedletskaia and V. B. Kogan	2403	2551
Liquid-Vapor Phase Equilibrium in the Three-Component Mixture Acetic-Propionic-n-Butyric Acids at 760 mm — A. N. Trofimov, K. L. Tsekhanskaya, and M. A. Shaburov	2408	2556
Production of Furfural from Hydrochloric Acid Prehydrolyzates of Deciduous Wood — T. V. Barakov, N. A. Yartsova, and Yu. I. Khol'kin	2412	2560
Thermal Stability of Direct Dyes in Solution — B. N. Mel'nikov and M. N. Kirillova	2418	2566
Interaction of EDÉ-10P Resin with Aqueous Solutions of Tiron and Germanium Dioxide — A. Dzhelessi and A. M. Egorov	2423	2572
BRIEF COMMUNICATIONS		
Study of the Conditions for Separation of Strontium and Calcium in Nitrate-Phosphate Solutions — A. M. Golub, I. F. Mulyarchuk, and I. I. Volkov	2429	2579
Stability of Sodium Hydrosulfite in Solution — A. E. Telepneva and M. A. Durmanova	2432	2581
Solubility in the System $KF-H_3BO_3-H_2O$ at 20° — G. I. Avdulov, S. S. Markov, and A. A. Chizhik	2434	2583
Study of the Production of Finely Divided Chemically Precipitated Calcium Carbonate — A. I. Postorenko, A. P. Grizodub, L. A. Anan'eva, A. L. Rozhkova, N. V. Budarina, and L. A. Pochtareva	2436	2584
Heats of Formation of Silicon Carbide and Tungsten Monocarbide — B. F. Yudin and T. P. Markholiya	2439	2587
Synthesis of Acid Phosphonites and Phosphinites by Esterification of Phosphorous and Hypophosphorous Acids — E. E. Nifant'ev, V. R. Kil'disheva, and I. S. Nasonovskii	2443	2590

(Contd.)

Available from Consultants Bureau

Interaction between Lithium Bromide and Lithium Hydroxide in Aqueous Solutions at 40°C - E. M. Polikarpova and N. S. Dombrovskaya	2447	2593
Densities and Molar Volumes of PbO-SiO ₂ Melts - M. A. Sherstobitov	2450	2595
Integral Heats of Solution of Potassium Nitrate in Water at 18 and 25°C in the Region of Metastable Concentrations - T. L. Khrenova and E. I. Akhumov	2452	2597
Investigation of the Anodic Process in Electrochemical Production of Cobaltic Perchlorate - L. M. Borisova and A. L. Rotinyan	2456	2600
Influence of Excess Water and Ammonia on the Rate of Synthesis of Urea from Ammonia and Carbon Dioxide - V. I. Kucheryavii and V. A. Gorbushenkov	2459	2603
Influence of the Method of Preparation on the Properties of Spongy (Raney) Nickel Hydrogenation Catalyst - E. F. Yakubenko, Yu. A. Podvyazkin, and I. I. Yukel'son ...	2452	2605
Stability of Foam Films and the Structural Characteristics of Solutions - V. G. Gleim and V. Ya. Khentov	2466	2608
Influence of Salting Agents on Extraction of Naphthylamines - I. M. Korenman and L. N. Karyakina	2469	2610
Comparative Study of the Catalytic Properties of Platinum, Palladium, Rhodium, and Nickel in Hydrogenation of Acetophenone in Solvents - N. S. Barinov, É. G. Lebedeva, and D. V. Mushenko	2471	2614
Phenol-Quinoid Transformations of Guaiacol Derivatives - Models of Lignin Structural Units - B. I. Zubkov and T. I. Temnikova,	2474	2615
Form of Isothermal Vapor Pressure Curves for Condensed Phase-Vapor Two-Component Systems in Which Reversible Reactions Occur - N. P. Markuzin	2478	2618
Variation of the True Vapor Composition and Partial Pressures of Monomers, Compounds, and Components during Isothermal Variation of the Gross Vapor Composition of Condensed Phase-Vapor Systems in which Reversible Reactions Occur - N. P. Markuzin	2482	2621
Polarographic Investigation of Certain Derivatives of the Pyridine and Quinoline Series - A. G. Pozdeeva and E. G. Novikov	2487	2626
Preparation of Triglycerides of Synthetic Fatty Acids - I. P. Strelets, N. A. Kamennov, and A. V. Starkov	2489	2628
Influence of the Conditions of Treatment of Cotton Fibers on the Strength of Triacetylcellulose Films - L. E. Akim, N. N. Iznairskaya, R. A. Bakshi, Z. P. El'nitskaya, and M. A. Verner	2491	2630
Investigation of Structural Changes in Fibers under Various Relaxation Conditions - B. M. Pugach, K. E. Perepelkin, L. N. Slutsker, L. E. Utevskii, Z. Yu. Chereiskii, and A. I. Meos	2494	2633
Change of the Reactivity of Cellulose Fibers under the Influence of Ultrasound - V. V. Safonova and N. I. Klenkova	2497	2636
Synthesis of the Polymaleate Phthalate of 2,2-bis(Morpholinomethyl)-propanediol-1,3 - I. M. Al'shits, N. G. Afanas'eva, N. M. Grad, A. S. Zvontsova, and S. Z. Kaplan ..	2500	2638
Synthesis of Dodecamethylenediamine - G. S. Kolesnikov, O. Ya. Fedotova, and V. V. Trezvov	2502	2639

Available from Consultants Bureau

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March-April, 1967

CONTENTS

	Engl.	Russ
Vladislav Vladislavovich Voevodskii	163	157
Samorlev's Ice-Lake Model and the Thermodynamic Properties of Water: Use of the Frank-Quist Method - V. A. Mikhailov	165	160
The True Distances of Closest Approach between Ions in Aqueous Solutions - Yu. M. Kessler	170	155
Some Nonadditive Properties of Electrolyte Solutions - L. S. Lilich, M. E. Mogilev, and L. V. Chernykh	175	159
Spectroscopic Study of the Hydration of Ions in Solutions. I. The Interaction of Ions with the Nearest Water Molecules in an Organic Medium - I. S. Pereygin and N. R. Safiullina	178	205
Determination of the Limit of Complete Solvation from Ultraacoustic Data - L. A. Petrenko and Yu. A. Petrenko	184	212
The Properties of Anions Which Determine the Extractability of Their Associates with Triarylmethane Dyes - S. A. Lomonosov and A. V. Nikolaev	187	216
Investigation of Phase Transitions in Adsorbed Water by NMR - V. I. Kvilidze and V. F. Kiselev	191	221
PMR Study of the Structure of Aquapoly Compounds. I. Calcium Molybdates and Tungstates - V. V. Mank, V. I. Krivobok, I. V. Matyash, and M. V. Mokhosev	196	227
Study of the Nature of the Hydration of Epididymite by Means of the Infrared Absorption Spectrum and Proton Magnetic Resonance - G. P. Stavitskaya, Ya. I. Ryskin, A. I. Kol'tsov, E. I. Shul'gin, and A. A. Pobedonostseva	201	233
Nuclear Gamma-Resonance Study of Four-Coordinated Iron Chelates - R. A. Stukan, V. I. Gol'danskii, E. F. Makarov, and E. G. Rukhadze	206	239
Interaction of BF ₃ with Molecular Nitrogen - Yu. G. Borod'ko and A. E. Krylova	213	248
Infrared Spectra of Carbohydrates and the Spatial Arrangement of the CH Groups - V. P. Komar, R. G. Zhabankov, and A. M. Prima	216	252
Infrared Spectra and the Nature of the Hydrogen Bonding in Solvates of the Alkali Metal Fluorides - T. D. Fedotova, A. A. Opalovskii, Z. A. Grankina, and E. V. Sobolev	221	255
Structure of Complexes Formed by Cupric Chloride with Amides of Pyridinecarboxylic Acids - M. A. Azizov, Ya. V. Rashkes, and A. L. Kats	224	262
Relationship between the Infrared Absorption Spectra and Crystal Structure of the Hydroxides of the Rare Earth Elements and Yttrium - P. V. Klevtsov, R. F. Klevtsova, and L. P. Sheina	229	268
Analysis of the Vibrational Spectra of Simple Carbonyl Compounds - L. M. Epshtein	234	273
Determination of the Atomic Polarization of Hydrocarbons of Different Classes from the Infrared Spectra - A. G. Finkel'	239	279
Dispersion of the Optical Activity of the β -Form of Polypeptides - M. V. Vol'kenshtein and V. A. Zubkov	243	284
Dipole Moments and Conformation of Cyclic Compounds. III. Sulfites - B. A. Arbuzov, O. D. Zolova, and L. K. Yuldasheva	249	291

(Contd.)

Available from Consultants Bureau

	Engl.	Russ.
X-ray Study of Nickel Dithioselenocyanatotetramethylformamide Crystals Ni(H ₂ CON(CH ₃) ₂) ₄ (NCS) ₂ —G. V. Tsintsadze, M. A. Porai-Koshits, and A. S. Antsyshkina . . .	253	256
Molecular Structure of Borine Hydrazine Crystals—V. I. Andrianov, L. O. Atovmyan, N. I. Golovina, and G. A. Klitzkaya	259	263
X-ray Structural Study of the Potassium Salt of Nitroform (Trinitromethane)—N. I. Golovina and L. O. Atovmyan	263	267
Structural Classes and Subclasses of Molecular Crystals—P. M. Zorkin, V. K. Bel'skin, S. G. Lazareva, and M. A. Porai-Koshits	267	272
Why Does Silicon Have No Analogs of Ethylene and Acetylene?—A. A. Levin, Ya. K. Syrkín, and M. E. Dyatkina	271	277
Methods of Calculating the Numbers of Isomers in the Stereochemistry of Complex Compounds. IV. Polynuclear Complex Compounds—I. V. Krivosheina	274	321
Conformations of Carbohydrates. I. Calculation of the Potential Function of the Internal Rotation K. M. Grushetskii and A. F. Bestsenyi	277	325
Conformation of Carbohydrates. II. Calculation of the Potential Barriers for the Conformational Transitions in the Molecules—K. M. Grushetskii and A. F. Bestsenyi	283	332
"Experimental" Study of the Effects of Structure Amplitude Errors on the Accuracy of X-ray Crystal Structure Determinations—B. M. Shchedrin, A. A. Levin, and M. A. Porai-Koshits . . .	288	338
BRIEF COMMUNICATIONS		
Theoretical Expressions for the Molecular, Composite Scattering Intensity of Electrons and Its Fourier Transform in an Approximation of Harmonically Oscillating Nuclei—Yu. S. Ezhov and N. G. Rambidi	292	342
Errors of the Parameter Determination in the Electron Diffraction of Gases—L. V. Vil'kov and N. I. Sadova	295	344
Electron Diffraction Study of the Structure of the Chlorodifluoroamine Molecule—L. V. Vil'kov and I. L. Nazarenko	297	346
Small-Angle Maxima of the X-ray Scattering Intensity Curves in Electrolytes—A. K. Dorosh and A. F. Skryshevskii	300	348
Quadrupole Relaxation of Hydrated Ion Nuclei—V. I. Chizhik	303	350
Quadrupole Constants in 1-Chloro-2-Fluoroethane—I. A. Mukhtarov and E. I. Mukhtarov	305	352
Infrared Spectra of Acid Fluorides of the Alkaline Earth Elements—D. D. Ikrami, E. D. Ruchkin, and N. S. Nikolaev	307	354
Vibrational Spectra of Lanthanum, Cerium, Praseodymium, and Neodymium Sulfate Pentahydrates —K. I. Petrov, V. I. Ivanov, and V. G. Pervykh	310	356
Infrared Spectrum of the Complex Compound Formed by Pentavalent Rhenium with Thiourea —L. V. Bonsova and A. V. Karyakin	313	359
Infrared Spectrum of Apatite from the Kukisvumchorr Deposit (Kola Peninsula, USSR) —Vijay Mohan Bhatnagar	316	361
Universal Fluorescence of Polymers. IV. Fluorescence Spectra and Chain Cyclization —V. F. Gachkovskii	318	362
Crystal Structure of Cobalt Formate Dihydrate—A. S. Antsyshkina, M. K. Guseinova, and M. A. Porai-Koshits	321	365
Calculation of Magnetic Moments of Octahedral Ti(III), Mn(II), Fe(III), and Ru(III) Complexes —Yu. M. Udachin, V. I. Belova, and M. E. Dyatkina	323	366
The Magnetic Moments of Some Low-Spin Octahedral Complexes—Yu. M. Udachin and M. E. Dyatkina	325	368

(Contd.)

Available from Consultants Bureau

Engl./Russ.

Electronic Structure and Properties of Cumulated Systems. 10. Influence of Vertical Correlation of π -Electrons on the Energy Spectrum of Homoatomic Cumulene - E. M. Shustorovich and V. L. Lebedev	327	369
Efficient Method for the Calculation of Radial Distribution Curves of the Electron Density on a Digital Computer - L. A. Manashkin, A. I. Ryss, and E. M. Tenenbaum	330	371
Simplifying Equation for Calculation of the Number of Isomers of Tertiary Alcohols in the Methanol Series - M. Yu. Kornilov	332	373
 REVIEWS		
Classification of Atomic Refractions - S. S. Batsanov	335	376
 CHRONICLES		
Resolution of the Fifth All-Union Conference on Quantum Chemistry (Kiev, October 6-12, 1966) . . .	345	386

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JOURNAL OF STRUCTURAL CHEMISTRY

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Volume 8, Number 3

May-June, 1967

CONTENTS

	Engl.	Russ.
Electron-Diffraction Study of the Monomeric Molecules of Aluminum Chloride—E. Z. Zasorin and N. G. Rambidi	347	391
Electron-Diffraction Investigation of the Structure of the Isoprene Molecule—L. V. Vilkov and N. I. Sadova	353	398
Thermodynamics of the Two-Structure Model of Water. III. Temperature Dependence of the Thermodynamic Properties of the Ice-Like and Disordered Structures —V. M. Vdovenko, Yu. V. Gurikov, and E. K. Legin	358	403
Reasons for the Small Solubility of Nonpolar Gases in Water—A. Yu. Namiot	363	408
Thermodynamics and Structure of Nonaqueous Solutions of Electrolytes. VI. Thermochemistry and Structure of NaI Solutions in a Mixed Methyl Alcohol-Water Solution at 25° —G. V. Katpenko, K. P. Mishchenko, and G. M. Poltoratskii	367	413
On the Structure of Solutions of Nonelectrolytes. I. Aqueous Solutions of Acetone, Urea, and Formamide—I. V. Matyash, A. I. Toryanik, and V. V. Kisel'nik	371	418
Viscometric Study of the Structure of Methanol-Dioxane Solutions—A. M. Shkodin and N. K. Levitskaya	376	424
Analysis of the Relationship between the Intensities and Widths of the Fine Structure Components in the EPR of Cu(II) Complexes with Nitrogen- and Oxygen-Containing Ligands—A. T. Nikitaev and K. I. Zamaraev	380	429
Semiconductor Properties of Porphyrins. I. Dark Characteristics—V. A. Lifshits and L. A. Blyumenfel'd	383	433
Semiconductor Properties of Porphyrins. II. Photoelectric and Photomagnetic Properties —V. A. Lifshits	389	440
Electrical and Magnetic Properties of Donor-Acceptor Semiconductors. III. Iodine Doped Layers of Tetracene—P. A. Stunzhas, V. A. Benderskii, and L. A. Blyumenfel'd	393	445
Parameters of the EPR Spectrum of Structurally Nonequivalent Manganese Ions in a Zeolite Lattice—L. G. Dzhashiashvili, N. N. Tikhomirova, and G. V. Tsitsishvili	399	453
EPR Spectra and Structure of the Paramagnetic Centers in Irradiated Lithiumaluminosilicate Glasses—T. A. Sidorov and V. A. Tyul'kin	403	457
IR and PMR Spectra and Structure of Zirconium and Hafnium Borohydrides—V. V. Volkov, E. V. Sobolev, E. E. Zaev, and O. I. Shapiro	407	461
Optical Properties of Oxides of the Rare Earth Elements. V. Study of Monoclinic Modifications (B Forms)—E. D. Ruchkin, M. N. Sokolova, and S. S. Batsanov	410	465
Effect of the Donor-Acceptor Interaction in the Hydrogen Bond $Y=O \cdots H-X$ on the Displacement of the Valence Vibration Band of the $Y=O$ Group—Yu. M. Boyarchuk	415	471
Some Regularities of the Force Fields in Organic Molecules—E. M. Popov and G. A. Kogan	419	476
Effect of Thermodynamic Factors on the Effective Dipole Moment of Molecules. II. Dioxane Effect on Dipole Moments of Molecules Containing an $X-H$ Group—A. E. Lutskii, B. P. Kondartenko, V. A. Granzhan, and E. M. Obukhova	426	484

(Contd.)

Available from Consultants Bureau

	Engl / Russ.
Effect of Intramolecular Factors on the Effective Dipole Moment of Molecules. III. Effect of the Intramolecular Hydrogen Bond on the Effective Dipole Moment of Compounds with an Intramolecular Hydrogen Bond—A. I. Lutsik and V. A. Granzhan	429 439
Magnetic Properties of Some Cr(III) Complexes with Mixed Ligands—E. A. Bayazitova, V. V. Perezhov, and V. I. Spitsyn	436 436
Crystal and Molecular Structure of 1,1,4,4-Tetramethyl-1,4-Digermatium Cyclohexadiene-2,5—N. V. Babin, O. N. Galikova, and Yu. T. Struchkov	439 501
Energies of Atomic Valence States and the Thermodynamic Properties of Gaseous Inorganic Compounds. I. Halides, Oxides, and Oxyhalides of Elements in the IB-IVB Subgroups—O. P. Charkin and M. I. Dyatkina	450 512
Structure and Properties of Technetium and Rhenium Compounds of the Type $[MeVOX_3]^{2-}$. I. Preparation and Magnetic and Spectrophotometric Study—B. Jezowska-Trzebiatowska, S. Warda, and M. Balaka	456 519
Structure and Properties of Technetium and Rhenium Compounds of the Type $[MeVOX_3]^{2-}$. II. Energy Levels of Re(V) and Tc(V) Oxoanions with C_{4v} Symmetry—B. Jezowska-Trzebiatowska and L. Natkaniec	460 524
 BRIEF COMMUNICATIONS	
Electron-Diffraction Study of the Structure of the Dichloranhydride of Phenylphosphonic Acid—L. V. Vilkov, N. I. Sadova, and I. Yu. Zil'berg	463 528
Electron-Diffraction Study of the Structure of the Cyclohexene and Cyclohexene Oxide Molecules—V. A. Naumov and V. M. Bezzubov	466 530
Electron-Diffraction Study of the Molecular Structure of Trichloromethyl Sulfochloride—N. V. Alekseev	468 532
Electron Paramagnetic Resonance in Solutions of Divalent Copper Xanthates—P. M. Solozhenkin and N. I. Koputsya	470 534
Electron Paramagnetic Resonance of $Mn^{2+} + B$ in $SrWO_4$ —M. I. Samoilovich, A. I. Novozhilov, and L. T. Potkin	472 536
Electron Paramagnetic Resonance Study of the $LaNa(MoO_4)_2 \cdot Nd$ —A. A. Antipin, I. N. Kurkin, and L. Ya. Shekun	473 537
NMR Study of Intramolecular Hydrogen Bond Protons in Quinoid Structures—N. N. Shapet'ko and D. N. Shigorin	474 538
Spectra and Structures of Phosphoric Acid Salt: Salts of Disubstituted Thiophosphoric Acids—E. I. Matrosov	477 540
Complexes Formed by Molecular Nitrogen with Divalent Osmium Compounds—Yu. G. Borod'ko, V. S. Bukreev, G. I. Kozub, M. L. Khidekel', and A. E. Shilov	478 542
Steric Hindrance to Conjugation and its Evaluation from Nitryl Group Frequencies in the Infrared Spectra of α, β -Diaryl Acrylonitriles—I. N. Yukhnovskii	481 544
Relationship between Ionic Refraction and Ionic Lattice Energy—D. Sht. Gerdzhikov	484 546
Structure of the Nickel Complex of 1-(1'-Benzylbenzimidazolyl-2')-3-Methyl-5-p-Tolylformazane—A. D. Garnovskii, V. T. Panyushkin, A. B. Bednyagina, and O. A. Osipov	486 547
Atomic Structure of $Y_2[Si_2O_7]$ Crystals—N. G. Batalieva and Yu. A. Pyatenko	488 548
Crystallochemical Data of Inner Complexes of β -Diketones. II. Palladium and Platinum Monothiodibenzoylmethanates—E. A. Shygam, L. M. Shkol'nikova, and S. E. Livingstone	490 550
X-Ray Structure of Cerium Triacetate Hydrate—G. G. Sadikov, G. A. Kukina, and M. A. Porai-Koshits	492 551
Crystal Structure of the Potassium Salt of Copper(II) Ethylenediaminetetraacetate Hydrate—N. V. Novozhilova, T. N. Polynova, M. A. Porai-Koshits, and L. I. Martynenko	494 553
Crystal Structures of Polymetallic Carbonyl Compounds. I. Tetracarbonylcobalt Diphenyltin Manganese Pentacarbonyl—B. P. Biryukov, K. N. Anisimov, Yu. T. Struchkov, N. E. Kolobova, O. P. Osipova, and M. Ya. Zakharova	496 554

(Contd.)

Available from Consultants Bureau

	Engl	Russ.
Crystal Structures of Polymetallic Carbonyl Compounds. II. X-ray Study of Compounds of the $[n-C_5H_5Fe(CO)_2]_2SnX_2$ Series—B. P. Biryukov, K. N. Anisimov, Yu. T. Struchkov, N. F. Korobova, and V. V. Skripkin	499	556
Crystal Structure of Iodo- <i>meta</i> -barene—V. G. Andrianov, V. I. Stanko, and Yu. T. Struchkov	500	558
Crystal Structure of the Isomers of π -cyclopentadienyl-Bis-(Triphenylphosphito) Iron Iodide—Yu. A. Chapovskii, B. G. Andrianov, Yu. T. Struchkov, and V. A. Semion	501	559
Structural Investigation of Mercury Barenyl Derivatives—V. I. Pakhomov, A. V. Medvedev, V. I. Bregadze, and O. Yu. Okhlobystin	503	560
The Sigma Zone in Graphite and the Problem of the Width of the Valence Zone in Diamond—A. A. Levin, Ya. K. Syrkin, M. E. Dyatkina, and N. M. Fiden	504	561
Relative Contribution of the Vibrations of the Valence Angles to the Flexibility of Polymer Chains—N. A. Popov	506	562
Apropos of a New Method for the Determination of the Potential Energy Matrix—L. S. Mayants and B. S. Averbukh	509	565
Application of the Least Squares Method to Intermediate Stages of Crystals Structure Analysis—P. A. Brusentsev and S. V. Borisov	511	566
 REVIEWS		
Clathrates of Urea and Thiourea—V. M. Bhatnagar	513	568

Available from Consultants Bureau

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CONTENTS

	Engl	Russ
Determination of the Vibrational Frequencies of the $AlCl_3$ Molecule Using Electron Diffraction Data—E. Z. Zazorin and N. G. Rambidi	531	591
Internal Rotation about a Bond of the Type $\text{>A-C<} (A = C \text{ or } Si)$ —L. V. Vilkov and V. S. Mastryukov	534	595
Thermodynamics of the Two-Structure of Water. IV. Calculation of the Thermodynamic Properties of the Ice-Like and Disordered Structures in Heavy Water—V. M. Vdovenko, Yu. V. Gurikov, and E. K. Legin	538	600
Structure of Water from the Raman Spectra of Solutions of Nonelectrolytes—Yu. I. Naberukhin and S. I. Shuiskii	544	606
Quantitative Characterization of the Close Hydration of Some Ions in Dilute Aqueous Solutions. I. The Activation Energy of Self-Diffusion—V. V. Goncharov, I. I. Romanova, O. Ya. Samoilov, and V. I. Yashkichev	550	613
Quantitative Characterization of the Close Hydration of Some Ions in Dilute Aqueous Solutions. II. The Change in the Orientation of Water Molecules Close to the Ions—O. A. Samoilov and G. G. Malenkov	554	618
The Proton Magnetic Resonance Spectra of Methylated Biphenyls—V. A. Koptug, A. I. Rezvukhin, A. P. Krysin, and I. S. Isaev	558	622
Paramagnetic Relaxation and Complexing in Divalent Manganese Salt Solutions—G. P. Vishnevskaya and B. M. Kozyrev	562	627
Configuration of Stereoisomeric 1,3-Dimethylcyclobutanes—V. T. Aleksanyan, G. M. Kuz'yants and M. Yu. Lukina	569	636
Electric Fields in Organic Molecules—E. M. Popov	573	640
Influence Coefficients and Characteristics of the Force Field of Thiophene—E. N. Bolotina and L. M. Sverdlov	578	647
Magnetism and Reflectance Spectra of $Mn(III)$ β -Diketonates—V. V. Zelentsov	581	651
Crystal Structure of Bismuth Selenides and Bismuth and Antimony Tellurides—M. M. Stasova	584	655
Attempted Structural Classification of the Sulfates. I. Simple Anhydrous Sulfates, $M[SO_4]$ —G. B. Bokii and L. I. Gorogotskaya	590	662
Crystal-Chemical Analysis of Structures with Asymmetric Congruently-Similar Molecules. I. The Structural Class $P2_1$, $Z = 2$ —P. M. Zorkii and S. G. Lazareva	597	670
Textures in Thin Films of Polyvinyl Chloride. I. Low-Molecular PVC of High Stereoregularity—V. P. Lebedev	602	676
Theoretical Consideration of the Stereochemistry of Compounds of Elements with f Electrons. III. Structure of Isolated UF_2 and UF_3 Molecules—V. M. Volkov and M. E. Dyatkina	607	681
$K\beta_1\beta'$ -Line in Compounds of Elements of the Third Period—V. I. Nefedov	612	686
		(Contd)

Available from Consultants Bureau

BRIEF COMMUNICATIONS

Position of Water Molecules in Cavities of the Ice-Like Structure of Liquid Water, and the Degree of Filling the Cavities—V. A. Mikhailov	615	629
Localization of Molecules in Cavities of Quasicrystalline Structure of Water—L. S. Andrianova and I. Z. Fisher	617	691
Influence of the Structure of the Solvent upon the Solvation of Ion Pairs—R. I. Mostkova and Yu. M. Kessler	619	692
EPR Spectra of Water Irradiated at 77°K, Adsorbed on Synthetic Zeolites—K. I. Zalevskaya and Yu. D. Tsvetkov	621	694
Computation of Nuclear Magnetic Spectra by Computers while Accounting for the Magnetic Equivalence of the Nuclei—G. B. Lagodzinskaya and A. A. Fomichev	623	695
NMR Spectra of Iminoxyl Radicals—R. Z. Sagdeev and Yu. N. Molin	625	697
Infrared Spectra of Cyano-Ammonia Complexes of Nickel—V. M. Bhatnagar	627	698
Crystal Structures of the Compounds Ce_3Zn_{22} , La_3Zn_{22} , and Pr_3Zn_{22} —P. I. Kripyakevich, Yu. Kuz'ma, and N. S. Ugrin	632	703
Coordination Polyhedra of Europium in Diethylammonium Europium Tetrakisbenzoylacetate and in Piperidinium Europium Tetrakisbenzoylacetate—L. A. Aslanov, A. L. Il'inskii, L. A. Butman, and M. A. Porai-Koshits	634	705
The Crystal Structure of Monoiodo-ortho-barene—V. G. Andrianov, V. I. Stanko, Yu. T. Struchkov, and A. I. Klimova	636	707
An X-ray Structure Investigation of Halogen-Substituted meta-Barenes—L. S. Astakhova, V. I. Stanko, Yu. T. Struchkov, and A. I. Klimova	637	707
X-ray Powder Diffraction Patterns of some Clathrate Compounds—Vijay Mohan Bhatnagar and J. A. R. Cloutier	638	708
Width of the Forbidden Gap from the Delta-Function Potential Model—L. I. Kozhevina and S. S. Batsanov	641	711
Electronic Structures of $A^{II}B^{VI}$ Crystals with the Wurtzite Structure—A. A. Levin, Ya. K. Syrkin, M. E. Dyatkina, and N. V. Chezhina	643	713
Dielectric Constants and Atomic Charges of the Fluorides of the Rare Earth Metals—S. S. Batsanov, E. V. Dulepov, and L. I. Kozhevina	645	714

REVIEWS

Nuclear Magnetic Double Resonance—É. T. Lippmaa	648	717
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Available from Consultants Bureau

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JOURNAL OF STRUCTURAL CHEMISTRY

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Volume 8, Number 5

September-October, 1967

CONTENTS

	Engl	Russ
Fifty Years of Soviet Science	713	783
Electron-Diffraction Studies of the Structure of Molecules in the Gas Phase—L. V. Vilkov, N. G. Rambidi, and V. P. Spiridonov	715	786
Thermal Conductivity and Structure of Water—L. S. Andrianova, O. Ya. Samoilov, and I. Z. Fisher	736	813
Quantitative Characteristics of the Short-Range Hydration of Various Ions in Dilute Aqueous Solutions. III. The Use of Density Data—A. F. Borina and O. Ya. Samoilov	740	817
Influence of Temperature on the Negative Hydration of Ions—G. A. Krestov and V. K. Abrosimov ...	744	822
Temperature Dependence of the Parameters of the Short-Range Interaction of Ions in Aqueous Solutions of Strong Electrolytes—Yu. M. Kessler	748	827
Investigation of Organic Semiconductors by the EPR Method—L. A. Blyumenfel'd, V. A. Benderskii, L. S. Lyubchenko, and I. P. A. Stunzhas	750	829
Analysis of the EPR Spectra of Free Radicals—Ya. S. Lebedev and S. N. Dobryakov	757	838
Spatial and Temporary Delocalization of Electrons in Molecular Systems and the Conjunction Concept Applied in Chemistry—L. A. Blyumenfel'd, V. I. Gol'danskii, M. I. Podgoretskii, and D. S. Chernavskii	770	854
Spin Density Distribution in Complexes of the Iron Group and Its Effect on the Rate of Processes Involving Unpaired Electrons—V. V. Voevodskii, Yu. N. Molin, and K. I. Zamaraev	778	864
Work of Soviet Scholars on the Application of Gamma-Resonance Spectroscopy to Structural Chemistry—V. I. Gol'danskii and R. A. Stukan	787	875
Electron Transfer Spectra and the Intramolecular Bond in Iodides of Substituted Ammonium Bases—V. V. Sergievskii and Yu. G. Frolov	800	891
Study of the Chemical Bond by X-Ray Spectra—R. L. Barinskii	805	897
Dipole Moments and the Structure of Coordination Compounds—O. A. Osipov, A. D. Garnovskii, and V. I. Minkin	817	913
Use of Dipole Moments to Determine the Structure of Halogen Derivatives of Ortho- and Meta- Carboranes—V. I. Stanko, A. I. Echeistova, I. S. Astakhova, A. I. Klimova, Yu. T. Struchkov, and Ya. K. Syrkin	829	928
Dipole Moments of Halogen Derivatives of Ortho- and Meta-Carboranes—A. I. Echeistova, Ya. K. Syrkin, V. I. Stanko, and A. I. Klimova	833	933
Crystal Structure of Carboceraite (Na, Ca)(TR, Sr, Ca, Ba)(CO ₃) ₂ —A. A. Voronkov and Yu. A. Pyatenko	835	935
Energy Levels of Certain Macromolecules with Systems of Conjugate Double and Triple Bonds —D. A. Bochvar and I. V. Stankevich	841	943
Molecular Orbital Calculations of Complex Molecules. I. Method for the Programmed Calculation of the Matrix Procedure of the Self-Consistent Field Equations by the MO LCAO Procedure—N. M. Klimentko, E. L. Rozenberg, and M. E. Dyatkina	847	950

(Contd)

Available from Consultants Bureau

ZHURNAL STRUKTURNY KHIMII
Vol 8, No 5, 1967

(continued)

Engl./Russ.

Quantumchemical Calculations of Hyperfine Interaction in Organic Free Radicals -G. M. Zhidomirov and P. V. Schastnev	868	974
Comparison of the Reactivities of the Radicals CF_3^{\cdot} , CH_3^{\cdot} , and CCl_3^{\cdot} -I E. Chlenov and M. V. Bazilevskii	883	993

Available from Consultants Bureau

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CONTENTS

Engl./Russ.

Estimate of the Activation Energy of Self-Diffusion of Water Molecules in the Cavities — Yu. I. Neronov	887	999
Thermodynamics and Structure of Nonaqueous Electrolyte Solutions, VII. The Effect of Sodium and Potassium Iodides on the Structure of Ethylene Glycol—V. P. Tungusov and K. P. Mishchenko	892	1005
Self Diffusion of Methyl Alcohol Molecules in Solutions of Metal Iodides—M. I. Emel'yanov and N. K. Gaisin	896	1010
Molecular Structure of Liquid n-Paraffins and n-Alcohols—A. Z. Golik, A. F. Skryshevskii, and I. I. Adamenko	900	1015
Feasibility of Using EPR Spectra for Solving Problems Concerning the Conjunction of Aromatic Systems—I. I. Grandberg, V. B. Golubev, and O. R. Khrolova	906	1021
Spectra and Structure of α -Mercurized Carbonyl Compounds—L. M. Épshtein, V. L. Foss, Yu. T. Struchkov, and L. A. Kazitsyna	911	1027
Interaction of Nitro-Groups in Molecules of Polynitroalkanes—E. M. Popov	916	1033
Electronic Structure of Molecules According to X-ray Spectral Data—V. I. Nefedov	919	1037
X-ray K Absorption Spectra of Sulfur Atoms in Some Ligands—A. P. Sadovskii, S. V. Larionov, and É. E. Vainshtein	924	1043
Electron Diffraction Study of the Structure of Amorphous Ice—Yu. A. Mal'tsev and L. I. Nekrasov	928	1048
X-ray Study of Chemical Bonding in Copper Halides—V. F. Dvoryankin and G. S. Yur'ev	936	1058
Charge Distribution and Principal Characteristics of the Valence Band in AlI_3V_1 and AlI_3V Compounds with the Würtzite Lattice—A. A. Levin, Ya. K. Syrkin, M. E. Dyatkina, and N. V. Chezhina	941	1064
Energy Differences between the Rotation Isomers of Substituted Propanes—Yu. G. Papulov, Yu. V. Glazkovskii, and I. I. D'yakonova	950	1075
Some Statistical Problems in the Interpretation of Electron Diffraction Patterns Taken in Gases —L. V. Vilkov and N. I. Sadova	961	1088
BRIEF COMMUNICATIONS		
A Paramagnetic Center in Calcite—M. I. Samoilovich and N. I. Andrusenko	966	1093
Nuclear Magnetic Resonance and the Delocalization of the Unpaired Electron in Aliphatic Azoxy Radicals—N. A. Sysoeva, A. L. Buchachenko, V. I. Sheichenko, É. G. Rozantsev, V. F. Bystrov, and M. B. Neiman	968	1094
Structure of Aminoalkyl(Aryl)Trifluorophosphoranes—M. A. Landau, V. V. Sheluchenko, G. I. Drozd, S. S. Dubov, and S. Z. Ivin	971	1097
On the Structure of Complex Compounds of Chlorides of Certain Metals with Novocain —M. A. Azizov, Ya. V. Rashkes, Kh. Kh. Khakimov, A. L. Kats, A. D. Khamraev, and S. I. Ibatov	975	1100
		(Contd)

Available from Consultants Bureau

Engl./Russ.

Dipole Moments of Some Silylamines—I. Yu. Kokoreva, Ya. K. Syrkin, É. D. Babich, and V. M. Vdovin	978	1102
X-ray Analysis of Lithium Superperoxide LiO_2 —V. M. Bakulina, S. A. Tokareva, and I. I. Vol'nov	980	1104
Preliminary Results of the Determination of the Structure of Neodymium Trisacetylacetonate Trihydrate—L. A. Aslanov, M. O. Dekaprilevich, M. A. Porai-Koshits, and V. I. Ivanov	982	1106
Structure of Rhenium Monoacetodichloride Monohydrate $\text{ReCl}_2 \cdot \text{CH}_3\text{COO}(\text{H}) \cdot \text{H}_2\text{O}$ —P. A. Koz'min, M. D. Surazhkaya, and V. G. Kuznetsov.	983	1107
Structure of 2-Neopentylallylpalladium Chloride—M. Kh. Minasyan, S. P. Gubin, and Yu. T. Struchkov	984	1108
Crystal Structure of 2,4-Dibromophenyldiazocyanide—Ya. M. Nesterova, M. A. Porai-Koshits, N. B. Kupletskaya, and L. A. Kazitsyna	986	1109
REVIEWS		
Study of Exchange Interactions in Polyradical Systems by EPR—G. M. Zhidomirov and A. L. Buchachenko.	987	1110
INDEX		
Author Index, Volume 8, Numbers 1-6, 1967		1017
Table of Contents, Volume 8, Numbers 1-6, 1967		1021

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CONTENTS

	Engl./Russ.
Rotational Movement of Solvent Molecules and the Solvation of Ions in Nonaqueous Electrolyte Solutions—G. P. Roshchina, A. S. Kaurova, and I. D. Kosheleva	1 3
Calorimetric Study of the Melting of Frozen Aqueous Solutions of Electrolytes —G. M. Mrevlishvili and P. L. Privalov	5 8
Structure and Thermodynamic Properties of Aqueous Solutions of Nonelectrolytes. I. Description of the Model—V. A. Mikhailov and L. I. Ponomareva	8 12
Solubility of Oxygen in Ethanol-Water Mixtures—S. A. Shchukarev and T. A. Tolmacheva	16 21
Structure of Solutions of Nonelectrolytes. II. Aqueous Solutions of Acetone in the Presence of Additions of Electrolytes—A. I. Tor'yanik, I. V. Matyash, and V. V. Kisel'nik	22 29
Temperature Dependence of the EPR Spectra of γ -Irradiated Butylbutyramide —Yu. A. Kruglyak and V. S. Kuts	26 33
Cl^{35} NQR Spectra of Various Chloro Derivatives of Ortho- and Meta-Barenes —E. V. Bryukhova, V. I. Stanko, A. I. Klimova, N. S. Titova, and G. K. Semin	31 39
Infrared Absorption Spectra of Pentahalogenonitrosylruthenate Complexes—N. M. Sinitsyn and K. I. Petrov	36 45
Force Field and Electronic Structure of Cyanamide—E. M. Popov and I. P. Yakovlev	43 54
Change in Luminescence Spectra of Anthracene and Phenanthrene on Mixing with a Paramagnetic Impurity—V. F. Gachkovskii, Kh. M. Gafurov, and A. A. Berlin	49 62
Dipole Moments of Dibenzylidenecycloalkanones and Some of Their Analogs —S. V. Tsukerman, V. D. Orlov, Yu. N. Surov, and V. F. Lavrushin	53 67
Magnetic Susceptibility of Some Pentavalent Rhenium Compounds—V. I. Belova, Ya. K. Syrkin, Dinak Kumar Chakrabarti, and B. N. Ivanov-Émin	58 73
The Structure of Vitreous Beryllium Fluoride—L. R. Batsanova, G. S. Yur'ev, and V. P. Doronina	63 79
Refinement of the Crystal Structure of Syngenite $\text{K}_2\text{Ca}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$ —L. I. Gorogotskaya, N. V. Podbereskaya, and S. V. Borisov	69 86
X-Ray Study on the Structure of p-Bromobenzoyldimethylamine—R. P. Shibaeva and L. O. Atovmyan	73 90
Crystal-Chemical Analysis of Structures with Asymmetric Congruently Similar Molecules. II. The Structural Class $\text{P}2_12_12_1$, $Z = 4$ —P. M. Zorkii and S. G. Lazareva	78 95
Possibility of Using the Method of Least Squares for Refining Disordered Structures —V. F. Dvoryankin and G. G. Dvoryankina	83 101
Approximate Methods of Calculating Integrals Containing a Two-Centered Distribution $ \varphi_a' \varphi_b $ —A. P. Klyagina, N. M. Klímenko, and M. E. Dyatkina	87 105
Valence States of Atoms in Gaseous Inorganic Compounds. II. Bond Dissociation Energies in Molecular Ions MX_k^+ , MY_n^+ , and $\text{MX}_k \cdot \text{Y}_n^+$ of IB-VB Subgroup Elements —O. P. Charkin and M. E. Dyatkina	92 111

(Contd)

Available from Consultants Bureau

Electronic Structure of Al ^{III} VI Compounds with the NaCl Structure. II. Structure of the Energy Zones—A. A. Levin, Ya. K. Syrkin, M. E. Dyatkina, and N. V. Chelzina	97	116
Electronic Structure of Tetrahedral Oxyanions of Elements of the Third Period —V. I. Nefedov and V. A. Fomichev.	107	126
BRIEF COMMUNICATIONS		
Estimate of the Actual Interionic Potential at Small Distances—Yu. M. Kessler	113	133
Hyperfine Interaction Constants in the Iminoxyls of a Number of Hydrogenated Pyrroles —L. A. Krinitskaya, A. M. Vasserman, A. L. Buchachenko, É. G. Rozantsev, and M. B. Neiman	116	135
EPR Spectra of Low Temperature Centers in Irradiated Crystals of BaWO ₄ and SrWO ₄ —A. I. Novozhilov, M. I. Samoilovich, and L. I. Potkin	119	138
F ¹⁹ NMR Spectra of Chlorodifluorovinylamines—M. A. Landau, V. V. Sheluchenko, A. P. Sergeev, S. S. Dubov, and A. Ya. Yakubovich.	121	139
Vibrational Spectra of Cyclobutane and Monodeuterocyclobutane—V. T. Aleksanyan, G. M. Kuz'yants, M. Yu. Lukina, S. V. Zotova, and É. I. Vostokova	123	141
Magnetic Properties of Mixed Chromium Chalcogenoselenides—V. N. Ikorskii, L. M. Doronina, and S. S. Batsanov	126	143
X-Ray Structural Study of Potassium Pentaacetatocerate(III) Monohydrate—G. G. Sadikov, G. A. Kukina, M. A. Porai-Koshits, and L. A. Pospelova	128	145
Crystal Structure of Decafluorodiphenyl—N. N. Neronova	130	147
Study of Statistically Disordered Crystals of C ₆ Cl ₅ -nBr _n by X-Ray Structural Analysis and Nuclear Quadrupole Resonance Methods. III. The Crystal Structures of 1,2-Dibromo-, 1,3-Dibromo, and 1,4-Dibromotetrachlorobenzenes and the Nature of Their Statistical Disorder—T. L. Khotsyanova, T. A. Babushkina, and G. K. Semin. . .	132	148
REVIEWS		
[Nuclear Magnetic Resonance in Paramagnetic Compounds, D. R. Eaton and W. D. Phillips —(Advances in Magnetic Resonance, Vol. 1, Academic Press Inc., New York, 1965). . . .		153]

NOTE

The Table of Contents lists all material that appeared in the original Russian journal. Items originally published in English or generally available in the West are not included in the translation and are shown in brackets. Whenever possible, the English-language source containing the omitted items is given.

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March-April, 1968

CONTENTS

	Engl./Russ
Separation of the Molecular Component of Scattering in Gas Electron Diffraction by the Differentiation Method—L. V. Vilkov, V. P. Spiridonov, and N. I. Sadova	137 187
Isotope Effect on the Heats of Self-Salting-Out from Aqueous Solutions —O. Ya. Samoilov and V. G. Tsvetkov	142 193
Study of Aqueous Solutions of Ammonium Fluorozirconates and Fluorohafnates by Nuclear Magnetic Resonance of F^{19} Nuclei—Yu. A. Buslaev, V. P. Tarasov, and S. P. Petrosyants	146 198
Investigation of Hydrofluorides of the Alkaline Earth Metals by the NMR Method —A. A. Opalovskii, T. D. Fedotova, S. P. Gabuda, and D. D. Ikrami	149 202
Hg-Halogen Association in Some Halogenated Organomercury Compounds —T. A. Babushkina, E. V. Bryukhova, F. K. Velichko, V. I. Pakhomov, and G. K. Semin	153 207
Structure of the Compound $TiCl_3 \cdot 2(C_6H_5O)_3PO$ —L. K. Chuchalin, B. I. Peshchevitskii, I. A. Kuzin, Z. A. Grankina, and E. V. Dulepov	158 213
Effect of X-Ray Polarization on the K Absorption Spectrum of Chlorine in a Potassium Chlorate Single Crystal—R. L. Barinskii	163 218
Crystallochemical Data for Inner-Complex Compounds Formed by β -Diketones. III. Crystals and Molecular Structure of Palladium Dibenzoylmethanate —E. A. Shugam, L. M. Shkol'nikova, and A. N. Knyazeva	166 222
Crystal Structures of Multinuclear Polymetallic Carbonyls. III. Tetracarbonylcobalt- diphenyltin-manganesepentacarbonyl—B. P. Biryukov, O. P. Solodova, and Yu. T. Struchkov	171 228
Crystal and Molecular Structure of Two "Isomers" of the Iodide of π -Cyclopentadienyl-bis- (triphenylphosphite) iron—V. G. Andrianov and Yu. T. Struchkov	182 240
Crystal and Molecular Structure of p, p'-Dimethyl- α, α' -difluorostilbene —L. A. Chetkina and G. A. Gol'der	191 250
Crystal Structure of 1,4,5,8-Tetrabromonaphthalene—M. A. Davydova and Yu. T. Struchkov . .	198 258
An Electron Gas Model for Molecules with the "Sandwich" Type Structure—D. A. Bocharov and A. L. Chistyakov	206 267
Valence State of the Atoms, and the Thermochemical Properties of Gaseous Inorganic Compounds. III. The Halides, Oxides, and Oxyhalides of the Elements of Subgroups VB-VIIB—O. P. Charkin and M. E. Dyatkina	213 275
Electronic Levels of SF_6 and SiF_6^{2-} —V. I. Nefedov and V. A. Fomichev	217 279
Calculation of the Fundamental Group for Molecules of Polymers and Catenanes —I. V. Krivoshei	222 285
Molecular Geometry and Atomization Energies. I. Alkanes—V. G. Dashevskii	226 289

(Contd)

Available from Consultants Bureau

Calculation of the Potential Energy of Molecular Interactions in Crystals of Organic Compounds - V. I. Peltev and B. I. Sukhonikov	234	236
BRIEF COMMUNICATIONS		
The Effect of the Nature of Anions on the Structure of Water- A. S. Solovkin	240	305
EPR-Spectra of Negative Ion-Radicals of Some Quinone-Imines -B. I. Shapiro and V. M. Kazakova	242	306
Electron Hole Centers in Natural and Synthetic Calcite Single Crystals Containing Phosphorus-L. V. Bershov, M. I. Samoilovich, V. G. Lushnikov, and A. N. Tarashech	245	309
Paramagnetic Shift of Solvent Protons in the Presence of Organic Radicals- N. A. Syssoeva, A. U. Stepanyants, and A. L. Buchachenko	248	311
Nuclear Magnetic Resonance in Aromatic Nitrate Radicals- N. A. Syssoeva, V. I. Sheichenko, and A. L. Buchachenko	250	312
Proton-Magnetic-Resonance Study of the Structure of Aquapolycompounds. II. Ammonium Paratungstate and Paramolybdate-L. F. Kokot, V. V. Mank, M. V. Mokhosoev, and Ya. Ya. Shcherbak	252	314
Errors in the Integration of High-Resolution Nuclear Magnetic Spectra-A. N. Lyubimov and A. F. Varenik	256	318
Manifestation of the Nonequivalence of the Hydrogen Atoms of CH ₃ -P Groups in the Infrared Spectra of Organophosphorus Compounds-E. I. Matrosov and M. I. Kabachnik	259	320
Normal Vibrations and Intermolecular Interaction in a Crystal of Orthorhombic Polyoxymethylene-V. Z. Kompaniets, É. F. Oleinik, and N. S. Enikolopyan	261	322
Raman Spectra of Crystalline Powders. I. Lead and Mercury Halides-L. A. Isupova and E. V. Sobolev	263	324
Molecular Kerr Constants and Structures of Complexes of Carboxylic Acids-A. E. Lutskii and N. N. Ivanova	266	326
Crystal Structures of the Compounds MoCoB, WCoB, and WFeB-Yu. B. Kuz'ma, P. I. Kripyakevich, and M. V. Chepiga	268	327
An X-Ray Structure Study of Crystals of KOsO ₃ N-O. A. D'yachenko, V. M. Golyshev, and L. O. Atovmyan	270	329
Crystal Structure of Holmium Trisacetylacetonate Trihydrate-L. A. Aslanov, E. F. Korytnyi, M. A. Porai-Koshits, and A. I. Byrké	272	331
Structure of the Complex Ion in Piperidinium Gadolinium Tetrakisbenzoylacetonate -L. A. Butman, L. A. Aslanov, and M. A. Porai-Koshits	274	332
X-Ray Diffraction Data for Some π -Complexes of Group V Metals with Tolan -G. G. Aleksandrov, A. I. Gusev, and Yu. T. Struchkov	275	333
A Set of Programs for Crystal-Chemical Calculations on a "Setun" Computer -P. M. Zorkii and N. N. Chesnokova	276	334
Effect of Some Experimental Errors upon the Curve of the Radial Distribution of Atoms -G. S. Yur'yev and F. A. Brusenstev	279	336
REVIEWS		
The Crystal Chemistry of Salts with Mixed Anions-S. S. Batsanov and V. N. Kolomiichuk	282	339
CHRONICLES		
All-Union Conference on "Dipole Moments and Molecular Structure"-V. A. Kogan, V. I. Minkin, and A. D. Garnovskii	299	357

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CONTENTS

Engl./Russ.

Effect of the Extrapolation of the Experimental Molecular Electron-Scattering Intensity to Low Angles on the Radial-Distribution Curve—L. V. Vilkov and V. S. Mastryukov	513	587
Statistics of Neighbors in Water—I. S. Andrianova and I. Z. Fisher	517	592
The Structure of the Ice-Like Framework in Water. I. The Extended Framework —Yu. V. Gurikov	523	599
An Infrared Spectroscopic Study of the Structure of Aqueous Solutions of Alcohols and Nitriles —A. I. Sidorova, I. N. Kochnev, L. V. Moiseeva, and B. N. Narziev	529	607
Relationship between the Degree of Ionic Character of a Bond and the EPR Hyperfine Coupling Constant for Monotypal Binary Crystals Doped with Manganese —A. N. Zhitomirskii	532	612
Stabilized Atoms of Silver Formed by the Irradiation of Frozen Solutions of Its Salts in Aromatic Compounds—R. A. Zhitnikov, N. I. Mel'nikov and A. L. Orbeli	536	616
Proton Chemical Shifts and π -Electron Densities. I. Methyl Benzoate and Dimethyl Terephthalate—R. M. Aminova and I. D. Morozova	540	621
PMR Spectra of Dibenzylpolysulfides and Benzylmercaptan—M. G. Voronkov, A. N. Pereferkovich, and V. A. Pestunovich	545	627
Calculation of the Normal Vibrations of Thiophene, Selenophene, and Their Deuterio-derivatives—V. T. Aleksanyan, Ya. M. Kimel'fel'd, and N. N. Magdesieva	550	633
Electronic Effect of Halides—A. E. Lutsikii	556	640
X-ray Structural Study of Nickel Isothiocyanochlorodiethylenediamine—A. E. Shvelashvili, M. A. Porai-Koshits, and A. S. Antsyshkina	561	646
The Crystal Structures of Polynuclear Polymetal Carbonyls. V. π -Cyclopentadienyltri-carbonylmoiybdenum-Manganesepentacarbonyl—B. P. Biryukov and Yu. T. Struchkov	568	655
Crystal and Molecular Structure of π -Allyltricarbonyliron Iodide—M. Kh. Minasyants and Yu. T. Struchkov	577	665
Change in the Density, Mean Intermolecular Distances, and Packing Coefficients of the Molecules of Certain Aromatic Compounds within a Wide Temperature Range —V. M. Kozhin	582	671
Valence States of Atoms in Gaseous Inorganic Compounds. IV. The Geometric Structure of Molecular Ions MX_k^+ , MY_n^+ , and $MX_k \cdot Y_n^+$ of Subgroup IIIB-VB Elements and Group III-VIII Transition Elements—O. P. Charkin and M. E. Dyatkina	585	675
Semiempirical Description of the Valence Bands of Fourth-Group Elements and Silicon Carbide, Using the Strong-Coupling Method—A. A. Levin and A. A. Dyatkina	589	680
Calculation of the HFS Constant for the HCO Radical by an Approximation Using the Simple MO LCAO Method—N. D. Chuvylkin and G. M. Zhidomirov	594	686
BRIEF COMMUNICATIONS		
Electron-Diffraction Investigation of the Structure of the Phenyl Mercuric Bromide Molecule in Vapors—L. V. Vilkov and M. G. Anashkin	598	690

(Contd)

Available from Consultants Bureau

Electron Paramagnetic Resonance of Bis-(Methylacetyl-glyoximate)Copper (II)—A. V. Ablov, E. V. Suntsov, and V. N. Zubarev,	601	692
Delocalization of an Electron Captured in a Gamma-Irradiated Aqueous Alkali "Glass" at 77°K—B. G. Ershov, O. Ya. Grinberg, and Ya. S. Lebedev	603	694
Study of the Structure of α, β -Difluoro-Substituted Para-Divinylbenzenes and Their Copolymers with Styrene by the Method of NMR of F^{19} —M. P. Votinov, V. A. Kosobutskii, and I. A. Gorskova	606	698
Programs for Analyzing the Complex Spectra from High-Resolution Nuclear Magnetic Resonance —A. A. Fomichev	609	700
On the Nature of the NQR Frequency Shifts in Charge-Transfer Complexes—Yu. K. Maksyumin, E. N. Gur'yanova, and G. K. Semin	610	701
Application of the Method of Integral Analysis to Polycrystalline Materials—S. S. Batsanov, A. I. Pozhidaev, and G. S. Yur'ev	613	704
X-Ray Structure Study of Tetraammineplatinum(II) Sulfate and Tetraammineplatinum(IV) Disulfate—Yu. I. Mironov, V. V. Bakakin, S. V. Zemskov, and N. N. Neronova	616	707
Crystal Structure of a Second Form of K_2OsNCl_5 —L. O. Atovmian and V. V. Tkachev	618	708
Crystal Structure of Hydroxotris(Carbamido)Uranyl Polyiodide, $[UO_2(OH) \cdot 3CO(NH_2)_2]_2I_4$ —Yu. N. Mikhailov, V. G. Kuznetsov, and E. S. Kovaleva	620	710
X-Ray Data for Some π Complexes of Iron Tetracarbonyl with β -Ketovinyl Ligands —V. G. Andrianov, A. F. Korotkevich, and Yu. T. Struchkov	622	712
On the Crystalline Structure and Cl^{35} Nuclear Quadrupole Resonance Spectrum of para- Diaminotetrachlorobenzene and para-Dinitrotetrachlorobenzene—T. L. Khotsyanova, S. I. Kuznetsov, and T. A. Babushkina	623	713
A Program for Indexing X-Ray Diffraction Patterns of Polycrystalline Substances with Low Symmetry—I. G. Kamaeva and V. V. Serebrennikov	625	715
On the Calculation of the Magnetic Susceptibility Anisotropy of Axially Distorted Octahedral Complexes with Partially Filled t_{2g} Shells—Yu. M. Udachin and M. E. Dyatkina	627	717
The Determination of Some Two-Electron Integrals $\gamma_{\eta\nu}$, Concerned with the Semiempirical Calculation of the Electronic Structure of Molecules—É. M. Moncharzh and A. I. Finkel'shtein	629	718
On the Use of Effective Charges, According to Batsanov-Zvyagina, for Evaluating the Electron Spectra of the $TiCl_4$ and VCl_4 Molecules—B. A. Suvorov and Yu. M. Martynov	632	721
SURVEY		
Structural Chemistry of Organic Compounds of the Nontransition Elements of Group IV(Si, Ge, Sn, Pb)—N. G. Bokii and Yu. T. Struchkov	633	722

Available from Consultants Bureau

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JOURNAL OF STRUCTURAL CHEMISTRY

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Volume 9, Number 5

September-October, 1968

CONTENTS

	Engl./Russ.
Structure of the Ice-Like Framework in Water. II. The Regularly Expanded Framework — Yu. V. Gunkov	673 771
Structural Features of Water and the Electrokinetic Effect in Its Crystallization—O. M. Rozental', Disposition of the Ions and Hydrate Complexes in the Structure of an Aqueous Solution — A. K. Lyashchenko	678 777
Solubility of Mercuric Chloride in Aqueous-Alcoholic Solutions, Entropy and Enthalpy of Its Transfer from Aqueous into Aqueous-Alcoholic Mixtures, and Stabilization of the Structure of Water by Alcohols—V. A. Mikhailov and É. F. Grigor'eva	681 781
A Study of the Unfreezing of Molecular Movements in Crystalline Glycerol Containing Added Water, by Measurement of the Complex Dielectric Constant—V. A. Tolkachev, A. D. Milov, V. K. Ermolaev and A. S. Chernobrov	687 788
Feasibility of Determining the Structure of a Liquid Substance by Means of NMR —R. M. Yul'met'ev	696 798
A Study of the Interaction between Paramagnetic Species and the Magnetic Nuclei of the Surrounding Molecules by Electron Spin Echo Spectroscopy—G. M. Zhidomirov, K. M. Salikhov, Yu. D. Tsvetkov, V. F. Yudanov, and A. M. Raitsimring	700 803
Influence of Torsional Vibrations and Deferred Rotations of Molecules on the Nuclear Quadrupole Resonance Frequency in Molecular Crystals—R. Sh. Lotfullin and G. K. Semin. Solution of the Patterson Function (Vector System) from Its Strong (Multiple) Peaks —É. A. Kuz'min, V. V. Ilyukhin, and N. V. Belov	704 807
The Crystal Chemistry of the Sulfates. II. N. L. Smirnova, N. V. Akimova, and N. V. Belov	709 813
A New Crystalline Hydroxychloride, $\text{YFeCl}_2(\text{OH})_3$ —R. F. Klevtsova and P. V. Klevtsov	715 820
More Precise Determination of the Crystal Structure of 1,1,4,4-Tetrachloro-1,4- digermaniacyclohexadiene-2,5 and Some General Features in the Structure of Derivatives of 1,4-Digermaniacyclohexadiene-2,5—N. G. Bokii and Yu. T. Struchkov	724 830
The Crystal and Molecular Structure of a New π -Complex: The Reaction Product of σ - (8-Acetylvinyl)- π -cyclopentadienylirondicarbonyl with Iron Nonacarbonyl —V. G. Andrianov and Yu. T. Struchkov	727 834
Textures in Thin Films of Polyvinyl Chloride. II. High-Molecular Polyvinyl Chloride with a Low Stereo Regularity (Industrial Polyvinyl Chloride)—V. P. Lebedev	731 838
Electron-Diffraction Dispersion Analysis of Graphite Materials with Partially Ordered Three-Dimensional Structure—A. V. Kurdyumov and A. N. Pilyankevich	737 845
The Semiempirical Parameters in the Description of the Complete Structure of the Energy Zones in Diamond—A. A. Levin and A. A. Dyatkina	746 854
The Valence States of Atoms in Gaseous Inorganic Compounds. V. Ionization Potentials of MX_k , MY_n , and $\text{MX}_k \cdot \text{Y}_n$ Molecules of Subgroup IB-IVB Elements—O. P. Charkin and M. E. Dyatkina	750 858
	754 863
	758 867 (Contd)

Available from Consultants Bureau

Investigation of Carbohydrate Conformations. III. Calculation of Valence Angle Deformations -K. M. Grushetskii	761	870
Use of the Alternate-Molecular-Orbit Method for Calculating the Electron Spectra of Alternate Systems-N. A. Popov.	766	875
Calculation of the Number of Spatial Isomers of Substituted Boranes-N. V. Emel'yanova and I. V. Krivoshei	772	881
BRIEF COMMUNICATIONS		
Electron-Diffraction Study of the Structure of the Dimethyliminoamine Molecule -L. V. Vilkov and I. I. Nazarenko	778	887
Electron-Diffraction Study of the Structure of the B, B'-Diiodoneocarborane-L. V. Vilkov, L. S. Khaikin, A. F. Zhigach, and V. N. Siryatskaya	781	889
Electron-Diffraction Investigation of the Structure of the Manganese Decacarbonyl Molecule -N. I. Gapotchenko, N. V. Alekseev, K. N. Anisimov, N. E. Kolobova, and I. A. Ronova	784	892
Influence of Ions on the Rotation of Water Molecules in Aqueous Solutions as a Function of Temperature-V. I. Ionov and R. K. Mazitov	787	895
The Mechanism of Dielectric Relaxation in Water-N. V. Chekalin and M. I. Shakhparonov . .	789	896
EPR Spectra of the Dianion-Radicals of a Number of Substituted Dinitromethanes -B. I. Shapiro, V. M. Kazakova, and L. V. Okhlobystina	791	899
EPR Spectra of Several Sulfur-Containing Octahedral Cr(III) Complexes-N. S. Garif'yanov, B. M. Kozyrev, and S. A. Luchkina	794	901
Long Distance Spin Density Delocalization in Iminoxy Radicals of 3-Imidazoline-3-oxide -R. Z. Sagdeev, Yu. N. Molin, G. A. Kutikova, and L. B. Volodarskii	796	903
Electron Paramagnetic Resonance of Charge Transfer Complexes of Chloranil and para- Benzoquinone-E. A. Romodanova and I. S. Romodanov	797	903
Electron Paramagnetic Resonance at Color Centers in Aragonite, CaCO_3 , Cerussite, PbCO_3 , and Siderite, FeCO_3 -L. V. Bershov, M. I. Samoilovich, and V. O. Martirosyan	799	905
Double Proton-Proton Resonance in Substituted Polychlorobicyclo[2.2.1]Heptenes. V. Determination of the Configuration of the Isomers by the Sign of the Long-Range Coupling Constant $^4J(\text{H})$ -A. U. Stepanyants and V. F. Bystrov	802	907
P^{31} and F^{19} Nuclear Magnetic Resonance of Some Three-Coordination Phosphorus Compounds: with P-F Bonds-V. V. Sheluchenko, S. S. Dubov, G. I. Drozd, and S. Z. Ivin	805	909
Interpretation of Thermal Stability of Fluoroberyllates on the Basis of Investigations of Paramagnetic Screening of F^{19} Nuclei-I. P. Aleksandrova and M. L. Afanas'ev	807	910
Electron Absorption Spectra of the Halogens in the Tetrahalides of Group IV Elements -B. A. Suvorov and Yu. M. Martynov	809	912
Spectroscopic Study of Certain α , α , β , ω -Tetrachloroalkenes-A. B. Belyavskii, I. I. Vointseva, and R. G. Gasanov	811	914
Crystal Structure of $\text{Ti}^{\text{I}}\text{Ti}^{\text{III}}(\text{CrO}_4)_2$ -P. A. Koz'min and M. D. Surazhskaya	814	917
Crystal Structure of Potassium Dihydroxyhexacarbonatedizirconate Hexahydrate $\text{K}_4[\text{Zr}_2(\text{OH})_2(\text{CO}_3)_6] \cdot 6\text{H}_2\text{O}$ -Yu. E. Gorbunova, V. G. Kuznetsov, and E. S. Kovaleva . . .	815	918
Crystal Structure of Potassium Perchlorylamide $\text{K}_2\text{ClO}_3\text{N}$ -N. I. Golovina, G. A. Klitskaya, and L. O. Atovmyan	817	919
Atomic Coordinates and Interatomic Distances in the Structure of the Monoclinic Modification of $\text{Y}_2[\text{Si}_2\text{O}_7]$ -N. G. Batalieva and Yu. A. Pyatenko	820	921
Crystal Structures of Multinuclear Polymetallic Carbonyls. VI. Bis-(Dicarbonyl- π - Cyclopentadienyliron)-Dimethyllead-B. P. Biryukov, Yu. T. Struchkov, K. N. Anisimov, N. E. Kolobova, and V. V. Skripkin	821	922

(Contd.)

Available from Consultants Bureau

Conversion of Phenyl Mercury 2,6-Diiodo-4-methylphenolate Crystals into Phenyl Mercury Iodide by the Action of X Rays—V. L. Pakhomov, A. V. Medvedev, D. N. Kravtsov, and B. A. Faingor	824	925
Use of the General Virial Theorem in Calculations with Approximate Wave Functions —M. N. Adamov, V. V. Kosarev, and A. V. Tulub	825	926
Modification of the Free Electron Model—A. I. Butkovskii	828	928
Molecular Orbits of Tin Tetrachloride—S. P. Ionov and G. V. Ionova	830	929
On a Numerical Evaluation of Two-Electron Two-Center Integrals—V. V. Mel'nikov and N. A. Ivanova	833	932
Molecular Dipole Moments and the Number of Conjugated π -Bonds—A. E. Lutska, A. V. Shepel', and V. I. Minkin	836	934

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Volume 9, Number 6

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CONTENTS

	Engl./Russ
Structure of Polar Liquids. I. Asymptote to the Linear Correlation Function for Large Distances between the Molecules — F. M. Kuni	839 939
Compressibility of Water Consistent with Samoilov's Model — Yu. V. Gurikov	844 944
Effect of Temperature on the Short-Range Interaction of Ions. I. Solutions in Formamide — R. I. Mostkova and Yu. M. Kessler	849 950
Self-Diffusion of Water Molecules in Aqueous Solutions of Electrolytes. IV. Hydration of the Hydroxonium Ion H_3O^+ — M. I. Emel'yanov, E. A. Nikiforov, and N. S. Kucheryavenko	852 954
Solubility of Iodine in Water-Alcohol Mixtures. Comparison with a Ternary-Solution Model — V. A. Mikhailov, É. F. Grigor'eva, and I. I. Semina	855 958
Electron Paramagnetic Resonance and Magnetic Susceptibility of Copper Compounds of d-Tartaric Acid — A. V. Ablov, G. A. Popovich, and E. V. Suntsov	861 965
Electron Paramagnetic Resonance in Various Gadolinium Complexes — T. S. Al'tshuler and N. S. Garif'yanov.	867 972
A Study of the Hyperfine Structure from the Ligands in the EPR Spectra of Complex Compounds. I. Copper Tetracarboxyporphyrin — G. M. Larin	873 980
Study of Mn^{2+} and Fe^{2+} in the Structure of Monticellite by the Electron Paramagnetic Resonance Method — M. Ya. Shcherbakova, L. D. Shipilov, V. I. Sinyakov, and V. E. Litomin	877 984
An EPR Study of the Change in the Coordination Environment of Germanium in Rubidium Germanate Glasses — D. G. Galimov, G. O. Karapetyan, V. K. Pavlovskii, and D. M. Yudin.	883 990
A Study of the Structure of the Anion Radicals of Organosilicon Compounds. I. The EPR Spectra of the Anion Radicals of Phenylsilanes and Various Siloxanes and Silazanes — I. G. Makarov and V. M. Kazakova.	888 996
On the Feasibility of Using Vibration Spectra to Identify Rotational Isomers of Chloroalkenes (Rotational about the C — C Single Bond) — L. S. Mayants and R. G. Gasanov	894 1003
Rotational Isomerism in Levoglucosan — V. N. Nikitin, I. Yu. Levdik, and M. A. Ivanov	901 1011
Universal Luminescence of Polymers. V. Change in the Luminescence Spectrum of Monomers, Oligomers, and Polymeric Chains when Three-Dimensional Network Structures are Formed — V. F. Gachkovskii	907 1018
Effect of Explosions on Matter. Formation of Dense Modifications of Boron Nitride — S. S. Batsanov, L. R. Batsanova, G. S. Doronin, S. S. Kutateladze, É. M. Moroz, and R. S. Érenburg.	913 1024
Lamellar Formations in the Structure of Natural Diamonds — E. V. Sobolev, S. V. Lenskaya, and V. I. Lisoivan	917 1029
Investigation of $AgNiO_2$ and $CoHO_2$ Crystal Structures — P. N. Bityutskii and V. I. Khitrova	921 1034

(Contd)

Available from Consultants Bureau

X-Ray Structural Study of Scandium Formate - M. K. Guseinova, A. S. Antsyshkina, and M. A. Porai-Koshits	926	1040
The Crystal Structures of Compounds Containing a Transition Metal - Carbon σ Bond. Part I. π -Cyclopentadienyl-tricarbonyl- σ -phenyl-tungsten - V. A. Semion and Yu. T. Struchkov	931	1046
The Crystal Structures of Two Polymorphic Modifications of π -Allyl-triphenylphosphine- iron-dicarbonyl Iodide, (π -C ₃ H ₅)P(C ₆ H ₅) ₃ Fe(CO) ₂ I - M. Kh. Minasyants, V. C. Andrianov, and Yu. T. Struchkov	939	1055
Semiempirical Calculation of the Electron Polarizability of Molecules - I. Ts. Lyast and R. G. Nusratullin	943	1059
Approximate Equations for the Radial Distribution Function. I - É. A. Arinshtein and R. G. Abrosimov	948	1064
BRIEF COMMUNICATIONS		
Electron-Diffraction Investigation of the Structures of the POCl ₃ and PSCl ₃ Molecules - L. V. Vilkov, L. S. Khaikin, A. F. Vasil'ev, and T. F. Tulyakova	954	1071
Electron-Diffraction Investigation of the Structure of the Octafluorocyclobutane Molecule - N. V. Alekseev, I. A. Ronova, and P. P. Barzdain	957	1073
Electron-Diffraction Analysis of the Structure of the N-Acetylenimine Molecule - L. V. Vilkov, I. I. Nazarenko, and R. G. Kostyanovskii	960	1075
F ¹⁹ Chemical Shift in the DF-D ₂ O and DF-H ₂ O-D ₂ O Systems - P. M. Borodin, R. Singkh, and V. A. Shcherbakov	963	1078
Inelastic Scattering of Slow Neutrons in Zeolitic Water - Yu. N. Pokotilovskii	965	1079
EPR Spectra and Structure of V ₂ O ₅ - M. L. Meil'man	968	1082
NMR Spectra of Some Nitrogen Oxide Radicals - N. A. Sysoeva, V. I. Sheichenko, and A. L. Buchachenko	970	1083
High Resolution NMR Spectra of 1,2,3-Trihalobenzenes - A. I. Rubailo, M. L. Afanas'ev, and V. E. Volkov	972	1085
Double Proton-Proton Resonance of Substituted Polychlorobicyclo[2,2,1]heptenes. VI. Determination of the Relative Signs of the Spin-Spin Interaction Constants for a Degenerated AMX System with the Triple-Resonance Method (I) - A. U. Stepanyants and V. F. Bystrov	975	1088
Conformation of Δ^3 Carene - A. N. Vereshchagin and S. G. Vul'fson	978	1090
The Dipole Moments of Some Aminomethyl Derivatives of Dicarboxylic Acid Imides - G. P. Krutetskaya, Ya. K. Syrkin, S. A. Kamenskaya, and L. I. Éitingon	981	1092
The Structure of Cadmium Dichloro-bis-selenourea - N. N. Proskina, S. M. Chul'skaya, G. F. Volodina, and A. V. Ablov	983	1095
The Crystal Structure of MoO ₂ Cl ₂ and WO ₂ I ₂ - L. O. Atovmyan, Z. G. Aliev, and B. M. Tarakanov	985	1097
X-Ray Analysis of Aluminates Containing Rare-Earth Elements - A. A. Ismatov	987	1099
The Parameters of the Elementary Cell and the Space Group of MgO · 3B ₂ O ₃ · 6H ₂ O - A. A. Brovkin	989	1100
The Crystalline Structure of Iron π -Cyclopentadienyl-triphenylphosphine-monocarbonyl- σ -benzoyl - Yu. A. Chapovskii, V. A. Semion, V. G. Andrianov, and Yu. T. Struchkov ..	990	1100
Crystallochemical Analysis of Structures Built Up of Centrally Symmetrical Molecules. I. The Structural Subclass of Naphthalene - V. K. Bel'skii and P. M. Zorkii	993	1102
The Calculation of One-Electron Two-Center Integrals in the Case of a Fractional Effective Principal Quantum Number - V. V. Mel'nikov, N. A. Ivanova, and A. N. Kachkaev	996	1105

(Contd)

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ZHURNAL STRUKTURNY KHIMIY
Vol 9, No 6, 1968

(continued)

Engl./Russ.

Effect of Thermodynamic Factors on the Effective Dipole Moments of Molecules. VI. Effect of Temperature on the Dipole Moment of Disubstituted Benzenes — V. A. Granzhan	999	1107
REVIEWS		
Elementary Theory of Electron Spin-Lattice Relaxation (Theory and Methods of T_1 Measurements) — Jacques Pescia	1002	1111
CHRONICLES		
Fifth Conference on the Application of Computers in Structural Analyses of Crystals — V. G. Petrov	1023	1131
INDEX		
Author Index, Volume 9, Numbers 1-6, 1968.	1027	
Tables of Contents, Volume 9, Numbers 1-6, 1968.	1031	

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Volume 10, Number 1

January-February, 1969

CONTENTS

Engl.-Russ

Thermodynamics and Structure of Nonaqueous Solutions of Electrolytes.		
VIII. Structure of Benzene Solutions of Tetraalkylammonium Salts and Its Connection with the Activity Coefficients of the Components - K. P. Mishchenko, G. M. Poltoratskii, and G. V. Fedotova	1	3
Dependence of Salting Out on Near Hydration of Salting-Out Anion - M. N. Buslaeva, K. T. Dudnikova, and O. Ya. Samoilov	5	8
Structure of Polar Liquids. II. Asymptotic of the Correlative Functions and Distribution Functions for Large Distances between the Molecules - F. M. Kuni	9	12
The Nature of the Broadening of EPR Lines as Determined by Dipole-Dipole Interactions in Magnetically Diluted Systems - G. M. Zhidomirov, K. M. Salikhov, A. M. Raitsimring, and Yu. D. Tsvetkov	15	18
The Electronic Properties of Polyenes and Polyphenylacetylenes. Part 1: Ionization Potentials, Electronic Affinity, and Energy of Transition to the Lowest Triplet State - Yu. A. Kruglyak	22	26
Determination of the Unpaired Electron Density on the Central Atom of Cu(II) Complexes from Their EPR Spectra in Liquid Solutions - K. I. Zamaraev	26	32
Classification of the Isomeric Shifts and Quadrupole Splittings in Organic Tin Compounds - V. Kotkhekar and V. S. Shpinel'	33	37
An Infrared Spectroscopic Study of the Structures of Beryllium and Magnesium Acetate and Formate Diammines - A. I. Grigor'ev and E. G. Pogodilova	38	43
An Infrared Spectroscopic Study of the Structures of Aluminum and Yttrium Acetate and Formate Amines - A. I. Grigor'ev and E. G. Pododilova	43	48
Spectroscopic Observation of Phase Transitions of Cyclohexane in the Presence of an Impurity - G. N. Zhizhin, M. A. Moskaleva, and Kh. E. Sterin	47	52
The Infrared Spectra of Various 2,6-Disubstituted Phenols - A. E. Luts'kii, V. A. Granzhan, and S. V. Semenenko	50	56
The Possibility of Identifying Rotational Isomers in Secondary and Tertiary Monochloroalkanes from the Vibrational Spectra - R. G. Gasanov	54	60
Structural Determination of Molecules with C-C, C-O, and C-N Bonds from Their Electronic Spectra - A. I. Finkel'shtein, Ts. N. Roginskaya, N. P. Shishkin, and E. M. Moncharzh	60	66
Magnetic Susceptibility of Copper (II) Dicarboxylates - V. V. Zelentsov and V. M. Allenov	64	71
The Dipole Moments and Structure of Substituted Phenylhydrazines and the Complex Zinc Compounds Formed from Them - Lieh Mau-kuen, M. S. Novakovskii, and V. D. Orlov	66	75
The Crystal Structure of Dinitrobis(ethylenediamine)nickel - L. Kh. Minacheva, M. A. Porai-Koshits, and A. S. Antsyshkina	72	79
		(Contd)

Available from Consultants Bureau

Crystal Chemical Data on Inner Complexes of β Diketones. IV. Crystal and Molecular Structure of Copper Dibenzoylmethanate — A. N. Knyazeva, E. A. Shugam, and I. M. Shkol'nikova.	76	83
The Crystal Structures of Compounds Containing a Transition Metal—Carbon Sigma Bond. II. π -Cyclopentadienyl-Triphenylphosphine-monocarbonyl- σ -Phenyl-Iron—V. A. Semion and Yu. T. Struchkov.	80	88
Crystal Structures of Multimuclear Polymetallic Carbonyls. VII. Bis-(Dicarbonyl- π -cyclopentadienyliron) dicyclopentadienyltin — B. P. Buryukov and Yu. T. Struchkov.	86	95
Crystal and Molecular Structure of π -Complexes of Group V Transition Metals with Acetylene Ligands. Part I. Bis-(π -Cyclopentadienylmolybdenumtolanecarbonyl) $[(\pi-C_5H_5)_2Mo(CO)(Ph_2C_2)_2]$ — A. I. Gusev and Yu. T. Struchkov.	97	107
Determination of the Signs of Structural Amplitudes by the Sayre-Zachariasen-Cochran Method — V. I. Andrianov, B. L. Tarnopol'skii, and R. P. Shibaeva.	105	116
Calculation of Internal Orbitals in Multi-Atom Molecules Using the LCAO Molecular Orbital Approximation — N. M. Klimenko and M. E. Dyatkina.	112	124
BRIEF COMMUNICATIONS		
Molecular Structure of Alkaline-Earth Halides and Alkali-Metal Oxides — N. G. Rambidi.	118	131
Study of the Zirconium Borohydride Molecule by Electron Diffraction by Gases — V. P. Spiridonov and G. I. Mamaeva.	120	133
The Structure of the Neocarborane Molecule — V. S. Mastyukov, L. V. Vilkov, A. F. Zhigach, and V. N. Siryatskaya.	123	136
Negative Solvation of Ions in Glycerol — E. A. Nikiforov.	125	137
The Comparative Thermodynamic Characteristics of the Structural Changes of Aqueous Solutions of Monohydric Alcohols — V. I. Klopov, G. A. Krestov, and L. I. Il'ina.	127	139
EPR of Ti^{3+} in Beryls — L. V. Bershov.	130	141
Nonequivalence of Axial Fluorine Atoms in Pentacoordinate Phosphorus Compounds with P—N Bonds — V. V. Sheluchenko, M. A. Sokal'skii, M. A. Landau, G. I. Drozd, and S. S. Dubov.	131	142
Structure of the Difluorostilbene Oligomer — M. A. Landau, V. N. Fadeev, V. V. Sheluchenko, and É. B. Shlikhter.	134	145
Refinement of Crystalline Structure of $PdSb_2$ — T. P. Karpova, R. M. Imamov and S. A. Semiletov.	137	147
Crystal Structure of the Monoclinic Form of Magnesium Tungstate $MgWO_4$ — V. B. Kravchenko.	139	148
X-Ray Study of the Structure of Crystals of Bis-[(2-Phenyl)- π -Allyl-Palladium Chloride] — T. S. Kuli-Zade, G. A. Kukina, and M. A. Porai-Koshits.	141	149
Structure of Cyclopentadienyltrimethyl Platinum — V. A. Semion, A. Z. Rubezhov, Yu. T. Struchkov, and S. P. Gubin.	144	151
Crystal Structure of $KBrC(NO_2)_2$ — N. I. Golovina, V. M. Shelestov, and L. O. Atovmyan.	146	152
The Effective Charges on Atoms in Crystals of Inorganic Compounds. I. Halides of Monovalent Metals — E. V. Dulepov and S. S. Batsanov.	148	154
Ionicity in Crystals with sp^3 -Bonds — E. E. Ovechkina, V. M. Koshkin, and L. A. Sysoev.	150	156
The Chemical Bond in Rutile-Type SiO_2 — V. V. Zuev.	152	158
The Possibility of Dimerization of Molecular Nitrogen in Transition Metal Complexes — E. M. Shustorovich.	154	159
Some Relationships between Molecular Constants of Triatomic and Diatomic Molecules — V. S. Timoshinin and K. S. Krasnov.	157	161

(Contd)

Available from Consultants Bureau

ZHURNAL STRUKTURNY KHIMII
Vol 10, No 1, 1969

(continued)

Engl./Russ.

REVIEWS

Electron Structure of Compounds of Inert Gases — M. E. Dyatkina 159 164

Available from Consultants Bureau

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JOURNAL OF STRUCTURAL CHEMISTRY

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Volume 10, Number 2

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CONTENTS

Engl./Russ.

Dependence of the Close Hydration of Na^+ , K^+ , and NH_4^+ Cations on Pressure - N. A. Nevolina, O. Ya. Samoilov, and A. L. Seifer.	193 203
Nuclear Quadrupole Relaxation of Na^{23} in Aqueous Solutions of Diamagnetic Electrolytes. Effects of Anions - V. I. Ionov, R. K. Mazitov, and I. I. Evdokimov.	197 208
Mechanism Governing the Motion of H_3O^+ and OH^- Ions in Ice and Water - G. N. Zatsepina.	200 211
Thermodynamics and Structure of Nonaqueous Solutions of Electrolytes IX. Solutions of Sodium and Ammonium Thiocyanates in Methyl Alcohol - É. P. Prosviryakova, K. P. Mishchenko, and G. M. Poltoratskii.	206 218
Electronic Properties of Polyenes and Polyphenylacetylenes. II. Delocalization of the Unpaired Electron and Spin Density - Yu. A. Kruglyak and V. V. Pen'kovskii.	211 223
Effect of Concentration in Solid VO^{2+} and MoO^{3+} Solutions on the EPR Line Widths - O. Ya. Grinberg, A. T. Nikitaev, K. I. Zamaraev, and Ya. S. Lebedev.	217 230
Determination of the Structure of Certain 1,3-Dioxane Derivatives of Furan by the NMR Method - Yu. Yu. Samitov, Z. I. Zelikman, and V. G. Kul'nevich.	220 234
Nuclear Magnetic Relaxation (NMR) of Protons and Fluorine in the Trihydrates of Aluminum, Gallium, and Indium (III) Fluorides and Structure of $\text{InF}_3 \cdot 3\text{H}_2\text{O}$ - S. P. Gabuda, S. A. Polishchuk, L. M. Avkhutsii, and Yu. V. Gagarinskii.	225 240
Correlation of Spin-Spin Coupling Constants with Electronic Displacements in Organo-Mercury Compounds - L. A. Fedorov, É. I. Fedin, B. A. Kvasov, and I. P. Beletskaya.	231 247
Nonempirical Calculation of the Linear Variation of the Magnetic Screening Constant of the Protons in C-H in an Electric Field - R. M. Aminova and R. Z. Gubaidullina.	236 253
Magnetic Susceptibility of Some Compounds of Copper with Heterocyclic and Unsaturated Carboxylic Acids - V. V. Zelentsov and T. G. Aminov.	241 259
Dipole Moments of Compounds of the Selenophene Series - S. V. Tsukerman, V. D. Orlov, and V. F. Lavrushin.	244 263
Action of Explosions on Matter. The Valence Transition $\text{Eu(III)} \rightarrow \text{Eu(II)}$ - S. S. Batsanov, A. I. Lapshin, and I. A. Ovsyannikova.	248 268
A Crystal Chemical Study of Mixed Chromium Chalcogenides - V. S. Filatkina, L. M. Doronina and S. S. Batsanov.	253 274
Crystal Structure of Anhydrous Zirconium Disulfate - D. L. Rogachev, A. S. Antsyshkina, and M. A. Porai-Koshits.	259 280
The Crystal and Molecular Structure of Europium Trisacetylacetonate Trihydrate - A. L. Il'inskii, L. A. Aslanov, V. I. Ivanov, A. D. Khalilov, and O. M. Petrukhin.	263 285
Crystal Chemical Data for Inner Complexes of β -Diketones. V. Refinement of the Structure of Copper Acetylacetonate - Z. A. Starikova and E. A. Shugam.	267 290
Crystal and Molecular Structure of π -Complexes of Group V Transition Metals with Acetylene Ligands. II. π -Cyclopentadienyl-niobium-ditolane-carbonyl ($\pi\text{-C}_5\text{H}_5\text{Nb(CO)(Ph}_2\text{C}_2)_2$) - A. I. Gusev and Yu. T. Struchkov.	270 294

(Contd.)

Available from Consultants Bureau

	Engl./Russ.
Calculation of the Electronic Structure of Molecules with D_{3h} Symmetry Using the Self-Consistent Field LCAO MO Method - A. A. Medvinskii and N. N. Bulgakov	278 304
General Properties of Multidimensional Potential Surfaces of Chemical Reactions: I. Models of Complex Adiabatic and Nonadiabatic Reactions - I. V. Krivoshef.	289 316
Approximate Radial Distribution Function Equations. II. - B. G. Abrosimov and É. A. Arinshtein . .	292 320
Interatomic Distances in Alkali Metal Hydrides and Hydrogen Halides - V. I. Lebedev.	296 324
 BRIEF COMMUNICATIONS	
Peaks Constructed from the Second Derivative of the Radial Distribution Function - Yu. S. Ezhov . .	302 331
Electron Diffraction Study on the $SbBr_3 \cdot AlBr_3$ Complex Molecule in the Gas Phase - V. P. Spiridonov and A. S. Malkova	303 332
Note on the Two-Structure Model of Water - Yu. M. Kessler and A. K. Lyashchenko	306 334
Correlation between the Force Coefficients and the P=O Bond Energies Calculated with the Simple Method of Molecular Orbitals - M. A. Landau, O. G. Strukov and S. S. Dubov.	308 335
Infrared Absorption Spectra of Lanthanum, Cerium, Praseodymium, and Neodymium Selenate Pentahydrates - K. I. Petrov, V. I. Ivanov, and G. N. Voronskaya	310 337
Structure of Metal Chelates of N-Phenyl-N'-Heteryltriazenes - A. L. Garnovskii, G. A. Tertov, O. A. Osipov, V. V. Burykin, and L. S. Kostromina	312 339
Effect of Methoxy and Thiomethyl Groups and Structures of Cu(II) Metal Chelates with Schiff's Bases - V. A. Kogan and S. G. Kochin	314 340
Topological Structure of "Neutral" Silical Melt - Yu. N. Kochkin and L. S. Mel'nikov.	316 342
Investigation of Crystalline Structure of UVO_5 - O. A. Efremova, L. M. Kovba, and V. I. Spitsyn. . .	319 344
X-Ray Study of Tetramethylammonium Superoxide $[(CH_3)_4N]O_2$ - V. M. Bakulina, É. N. Cherkasov, and I. I. Vol'nov	320 344
Structure of Complex Ions in Piperidinium Europium-Tetrabenzoylacetate - L. P. Aslanov, A. L. Il'inskii, I. I. Lazarev, and M. A. Porai-Koshits	321 345
Calculation of Multicenter Quantum-Mechanical Integrals for Slater Orbitals - O. L. Zimont and N. Ya. Mar'yashkin	323 347
On the Participation of the Vacant d-Orbitals of Selenium in Conjugation - A. E. Lutskii, E. M. Obukhova, L. M. Yagopol'skii and V. G. Volushchuk.	326 349
The Problem of the Machine Computation of Atomic Radial Distribution Curves - F. A. Brusentsev and G. S. Yur'ev.	328 351
 REVIEWS	
[Enrico Clementi: Electrical Structure of Aromatic Compounds. Chem. Rev., 68, 341 (1968)	354]

Available from Consultants Bureau

NOTE

The Table of Contents lists all material that appeared in the original Russian journal. Items originally published in English or generally available in the West are not included in the translation and are shown in brackets. Whenever possible, the English-language source containing the omitted items is given.

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Volume 10, Number 3

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CONTENTS

	Engl./Russ.
Internal Rotation About $\begin{array}{c} \diagup \\ \text{C}-\text{C} \\ \diagdown \end{array}$ Type Bonds—L. V. Vilko, N. I. Sadova, and N. A. Tarasenko.	331 403
NMR Analysis of the Relationship between Close-Range Hydration of Salted-Out Cations and Hydration of Salting-Out Cations—V. I. Ionov, R. K. Mazitov, and O. Ya. Samoilov.	335 407
Complex Germanium Fluorides in Aqueous Solutions—Yu. A. Buslaev, S. P. Petrosyants, and V. P. Tarasov	338 411
Thermodynamic Characteristics of Structural Changes in Aqueous Solutions of Ethyl Alcohol during Solvation of Potassium and Chloride Ions—G. A. Krestov, V. I. Klopov, and K. M. Patsatsiya	343 417
Dielectric Constants of Aqueous Solutions of Nonpolar Gases—L. V. Matyash, V. G. Pitsyuga, A. Ya. Laptienko, and L. V. Luk'yanenko	348 423
Study of the Hyperfine Structure Associated with the Ligands in the EPR Spectra of Complex Compounds. II. Ethylenediamine and Propylenediamine Compounds of Tervalent Nickel—G. M. Lirin, A. V. Babaeva, M. E. Dyatkina, and Ya. K. Syrkin	351 427
Electron-Paramagnetic-Resonance Investigation of Electronic Structure in Copper (II) Complexes in Relation to Their Catalytic Activity in the Hydrogen Peroxide Decomposition Oxidation-Reduction Reaction—A. N. Zhitomirskii and K. I. Zamaraev	357 435
Electron-Paramagnetic-Resonance Spectra of Manganese Ions in Synthetic Zeolites—L. G. Dzhashlashvili, N. N. Tikhomirova, and G. V. Tsitsishvili	364 443
EPR in Irradiated Fluorophlogopite—A. L. Novozhilov, M. I. Samoilovich, A. A. Sergeev-Bohr, and L. N. Arkin	370 450
Effect of Oxygen on the EPR Spectra of Solutions of the Stable DPPH Radical—A. K. Chirkov, V. L. Koryakov, V. N. Nekrasov and R. O. Matevosyan	374 454
The Electronic Properties of Polyenes and Polyphenylacetylenes. III. Intermolecular Charge Transfer in Polymers with Conjugated Bonds and Their EPR Spectra—V. V. Pen'kovskii and Yu. A. Kruglyak	378 459
^{57}Fe Mossbauer Spectra in FeBr_2 and FeI_2 —Sh. Sh. Bashkurov, G. I. Zharkova, G. D. Kurbatov, R. A. Manapov, É. K. Sadykov and V. A. Chistyakov	383 465
Vibrational Spectroscopic Study of Cationic Beryllium, Magnesium, Aluminum, Scandium, and Yttrium Ammines in Crystals—A. I. Grigor'ev, N. K. Evseeva, and V. A. Sipachev .	387 469
An Infrared Spectroscopic Study of the Structure of β -Diketonato Compounds. II. Dibenzoylmethanato and Thenoyltrifluoroacetanato Compounds—M. P. Noskova, L. A. Gribov, and Yu. A. Zolotov	391 474
Infrared Spectra of Some Silacyclobutane Derivatives and the Structure of the Silacyclobutane Ring—V. T. Aleksanyan, G. M. Kuz'yants, V. M. Vdobin, P. L. Grinberg, and O. V. Kuz'min	397 481
The Dipole Moments of Azachalcones—S. V. Tukerman, V. M. Nikitchenko, A. I. Bugai, and V. F. Lavrushin	400 485

(Contd.)

Available from Consultants Bureau

Engl / Russ

Dipole Moments and Structure of p-substituted Arylsulfonamides—N. P. Loshina, V. L. Levashova, and E. N. Gur'yanova.....	404	490
The Crystal Structures of $\text{Pr}(\text{OH})_2\text{Cl}$, $\text{Sm}(\text{OH})_2\text{Cl}$, and $\text{Gd}(\text{OH})_2\text{Cl}$ —R. F. Klevtsova and I. A. Glinskaya.....	408	494
Orthorhombic and Monoclinic Modifications of $\text{Y}(\text{OH})_2\text{Cl}$ —P. V. Klevtsov.....	411	498
X-Ray Structural Investigation of $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ Crystals—L. O. Atamnyan and O. A. D'yachenko.....	416	504
Crystal Structure of o-(para-Chlorobenzoyl)rhodium Pentacarbonyl o-p- $\text{ClC}_6\text{H}_4\text{CO}$ $\text{Re}(\text{CO})_5$ —I. S. Astakhova, V. A. Semion, and Yu. T. Struchkov.....	419	508
Crystal and Molecular Structure of π -Complexes of Group V Transition Metals with Acetylene Ligands. Part III. π -Cyclopentadienyl-Niobium-Tolane-Carbonyl- π - Tetraphenylcyclobutadiene (π - C_5H_5) $\text{Nb}(\text{CO})(\text{Ph}_2\text{C}_2)(\pi$ - $\text{Ph}_4\text{C}_4)$ —A. I. Gusev and Yu. T. Struchkov.....	426	515
X-Ray Analysis and Nuclear Quadrupole Resonance Study on Statistically Disordered Crystals. Crystal Structure and Nuclear Quadrupole Resonance Spectra of Pentabromoaniline and Pentachloroaniline—T. L. Khotsyanova, T. A. Babushkina, S. I. Kuznetsov and G. K. Semin.....	435	525
The Chemical Bond and the Entropy of the Electron Density Distribution in Molecules. I. H_2^+ and H_2^- —D. A. Bochvar, R. M. Borodzich and A. V. Tutkevich.....	439	530
The Alternation of Bonds and the Nature of the Energy Gap in the π -Electronic Spectrum of Long Polyenes—N. A. Popov.....	442	533
BRIEF COMMUNICATIONS		
Electron Diffraction Study of the Structure of the Vapor-Phase Lithium Oxide Molecule —S. M. Tolmachev, E. Z. Zasorin, and N. G. Rambidi.....	449	541
Electron Diffraction Study of the Structure of the 2,2-Dimethylethyleneimine Molecule —V. A. Naumov and V. N. Semashko.....	451	542
The Effect of Temperature on the Structure of Alcohols—L. S. Shraiber, P. K. Ivanov, and N. G. Pechenyuk.....	453	544
EPR Investigation of Copper Ions in Synthetic Zeolites—N. N. Tikhomirova and L. V. Nikolaeva.....	457	547
EPR Spectra of V(V) and Zr(IV) Complexes with the HO_2 Radical—V. F. Shuvalov, N. M. Bazhin, V. M. Berdnikov, A. P. Merkulov, and V. K. Fedorov.....	459	548
Electronic Paramagnetic Resonance of the Products of the Reaction of Various Ti(IV) Compounds with Triethylgallium—T. S. Dzhabiev and A. E. Shilov.....	460	549
Predominant State of Nitrogen in Natural Diamond—E. V. Sobolev, N. D. Samsonenko, V. E. P'in, V. K. Aksenov, and M. Ya. Shcherbakova.....	463	552
Nature of the Wide Paramagnetic Absorption Line in Polymers with Conjugated Systems —É. N. Selezneva, Yu. N. Nedoshivin, Z. V. Grigor'eva and V. I. Kasatochkin.....	465	553
Relationship between the Dipole Moments of Hydrogen Halides and the Polarizabilities of the Corresponding "Anions"—D. Sht. Gerdzhikov.....	467	555
Radiographic Investigation of Terramonoethanolamine Cupronitrate Tetrahydrate [$\text{Cu}(\text{H}_2\text{NCH}_2\text{CH}_2\text{OH})_4](\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$ —G. K. Abdullaev and B. G. Gasanov.....	468	556
Crystalline Structure of Neodymium Triglycinate Acid of the Composition $\text{NdCl}_3(\text{H}_2\text{NCH}_2\text{COOH})_3$ $\cdot 3\text{H}_2\text{O}$ —K. F. Belyaeva, M. A. Porai-Koshits, T. I. Malinovskii, L. A. Aslanov, L. S. Sukhanova, and L. I. Martynenko.....	470	557
Elementary Cells and Space Groups of the Cyclopentadienyl Compounds of Zirconium and Hafnium—V. S. Sudarikov, V. I. Kulishov, N. G. Bokii, and Yu. T. Struchkov.....	472	558
X-Ray Structural Analysis of the Rubidium Salt of 1,1,3,3-Tetranitroheptan-6-one —N. V. Grigor'eva, N. V. Margolis, N. I. Shokhor, and L. V. Tselinskii.....	473	559

(Contd)

Available from Consultants Bureau

ЖУРНАЛ СТРУКТУРНОЙ ХИМИИ

Vol 10, No 3, 1969

(continued)

Engl./Russ.

Structural Characteristics and Reactivity of Some Halonaphthoic Acids. III. X-Ray Diffraction Study of 1,8-Halonaphthoic Acids—R. L. Avoyan, V. G. Dashevskii and V. N. Lisitsyn	476	562
The Problem of the Band Structure of Germanium in the Semiempirical Method of Equivalent Orbitals—A. A. Levin and A. A. Dyatkina	477	563
Stability and Disintegration of Clathrate Compounds of Ammonium-Nickel Cyanide —V. M. Bhatnagar	479	565

Available from Consultants Bureau

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Volume 10, Number 4

July-August, 1969

CONTENTS

	Engl./Russ.
Electron-Diffraction Study of Uranium and Thorium Tetrahalides in the Gas Phase.	
I. Method and Results of a Study of Uranium and Thorium Tetrafluorides	
— Yu. S. Ezhov, P. A. Akishin, and N. G. Rambidi	483 571
Application of the Two-Structure Model of Water to Dilute Aqueous Solutions	
of Electrolytes— V. M. Vdovenko, Yu. V. Gurikov, and E. K. Legin	487 576
Dependence of Salting-Out on the Hydration of the Salting-Out Cation on the Basis	
of Thermochemical Data— D. Ya. Samoilov, M. N. Buslaeva, K. T. Dudnikova,	
and N. V. Bryushikova	491 580
Solubility of Mixture of Nonpolar Gases in Water— Yu. V. Gurikov	494 583
Study of the Shifts of the NMR Signal of Water in Water—Pyridine Solutions— Yu. I. Neronov,	
Z. Kh. Rakhimov, and G. M. Drabkin	499 589
A Study of the Structure of Anion Radicals of Organosilicon Compounds. Part II. EPR	
Spectra of the Anion Radicals of 1-Sila- and 1,2-Disilaacenaphthenes, 2-Sila-	
and 1,3-Disilaphenalanenes, and Their Methyl Derivatives— I. G. Makarov,	
V. M. Kazakova, N. G. Tolstikova, and E. A. Chernyshev	504 595
Effect of Valency and Coordination of Atoms on Position and Form of Infrared Absorption Bands	
in Inorganic Compounds— S. S. Batsanov and S. S. Derbeneva	510 602
Optical Properties, Dielectric Constants, and Chemical Bonds in the Sulfides of the Rare-Earth	
Metals— G. N. Kustova, K. F. Obzherina, A. A. Kamarzin, E. V. Dulepov,	
S. S. Derbeneva, and S. S. Batsanov	516 609
Vibrational Spectra of N-Substituted Pyrrolidines— N. D. Chizhikova, O. S. Anisimova,	
Yu. A. Pentin, and L. G. Yudin	520 613
Vibrational Spectra of Uracil and its Deutero Derivatives— G. V. Kazakova	524 618
Crystallochemical Classification of Sulfates— G. B. Bokii and L. I. Gorogotskaya	530 624
Theoretical Calculation of the Relative Placement of the Chains in the Crystal Structure	
of Palladium Chloride— P. M. Zorkii, M. A. Porai-Koshits, L. M. Prezman,	
and G. P. Murav'eva	538 633
Crystalline Hydroxychlorides, $\text{Ln}(\text{OH})_2\text{Cl}$, of the Rare-Earth Elements of the Cerium Group	
— P. V. Klevtsov, V. M. Bembel', and Z. A. Grankina	543 638
Crystal Structure of Zirconium Sulfate Monohydrate— D. L. Rogachev, A. S. Antsyshkina,	
and M. A. Porai-Koshits	548 645
Crystal Structure of Nickel Thiocyanodiethylenediamine Iodide— A. E. Shvelashvili,	
M. A. Porai-Koshits, and A. S. Antsyshkina	552 650
Crystal and Molecular Structure of π -Cyclopentadienyl- π -tetraphenylcyclobutadiene-	
vanadium-dicarbonyl, $(\pi\text{-C}_5\text{H}_5)\text{V}(\text{CO})_2(\pi\text{-Ph}_4\text{C}_4)$ — A. I. Gusev, G. G. Aleksandrov,	
and Yu. T. Struchkov	556 655
Crystal Structures of Compounds Containing Metal—Carbon Sigma-Bond.	
III. π -Cyclopentadienyl-triphenylphosphine-monocarbonyl- σ -benzoyl-iron	
— V. A. Semion and Yu. T. Struchkov	563 664

(Contd.)

Available from Consultants Bureau

Crystal and Molecular Structure of Quinone π -C Complexes. Part 1. π -Cyclopentadienyl-rhodium- π -2,6-diterbutyl-1,4-benzoquinone - G. G. Aleksandrov and Yu. T. Struchkov.	576	612
Qualitative Analysis of the Topological Matrix and Huckel's Law of $4n+2$. Part I - D. A. Bocharov and I. V. Stankevich	576	680
Investigation Into π Electron Correlation. Perturbation Theory - M. V. Bazilevskii	581	686
Electronic Structures of Oxides of the Transition Elements from X-Ray Spectral Data - V. I. Nefedov	585	691
Relative Stability of Linear and Cyclic Configurations of Systems Containing Four Atoms of Nitrogen, Carbon, of Oxygen - E. M. Shustorovich, G. I. Kagan, and G. M. Kagan	596	696
Determination of the Conformation of the Formazan Group of Certain 1,5-Diphenylformazans in Solutions by the Simple MO LCAO Method - É. N. Yurchenko and I. I. Kukushkina	600	706
Form of the Optical Absorption and Luminescence Bands in Transition Metal Complexes with Allowance for the Jahn-Teller Effect - B. G. Vekhter, B. S. Tsukerblat, I. B. Bersuker, and A. V. Ablov	605	712
Electronic Absorption Spectra and Structure of Beta Diketones and Their Complexes with Metals. Calculation by the Molecular-Orbital Linear-Combination-of- Atomic-Orbits Method (MO LCAO) - M. P. Noskova and N. N. Kazanova	610	718
BRIEF COMMUNICATIONS		
Refinement of Molecular Structures of Triethyl Phosphite and Trivinyl Phosphite - L. S. Khaikin and L. V. Vilkov	614	722
X-Ray Investigation of Ammonium Fluoride-Ice Systems - A. K. Lyashchenko and G. G. Malenkov	616	724
NMR of Aqueous Solutions of Fluoro Complexes. II. Fluoroberyllates - Yu. A. Buslaev and S. P. Petrosyants	618	726
EPR Spectra of Acylalkyl- and Acylarylnitroxide Radicals - A. M. Vasserman, Yu. A. Baskakov, and A. L. Buchachenko	620	727
Electron Paramagnetic Resonance of U^{3+} in $CaMoO_4$ - R. A. Baikova, I. N. Kurkin, and L. Ya. Shekun	624	731
Influence of Magnetic Nuclei of the Matrix on the Form of the Spin Echo Decay in Free Radicals - V. F. Yudanov, K. M. Salikhov, G. M. Zhidomirov, and Yu. D. Tsvetkov	625	732
Electron and Hole Defects in Nonirradiated Single Crystals of Natural Lithium and Aluminum Phosphates (Ambligonite) - L. V. Bershov and V. O. Martirosyan	628	734
Intermediate Hydrolysis Products of Aminoalkyltrifluorophosphoranes - M. A. Landau, V. V. Sheluchenko, G. I. Drozd, L. I. Saltykova, and S. S. Dubov	630	736
Mobility of Benzene Molecules Adsorbed on NaX and CaX Zeolites - I. V. Grinchenko and S. P. Gabuda	633	739
Phase Transition in 1,3-Dichloro-2-bromobenzene - A. I. Rubailo, S. F. Gabuda, and V. E. Volkov	635	740
Nuclear Quadrupole Resonance in Chlorine Complexes - V. S. Grechishkin, A. D. Gordeev, and Yu. A. Galichevskii	638	743
^{35}Cl NQR Spectrum of 2-Chloro-para-barene and Chlorination of the Para-barene Ring - V. I. Stanko, E. V. Bryukhova, Yu. V. Gol'tyanin, and G. K. Semin	640	745
Nitrogen in the Lamellar Defects of Diamond - E. V. Sobolev and V. L. Lisolvan	641	745
Microwave Spectrum of Thiophane- S^{34} and the Conformation of Its Molecule - A. Kh. Mamleev and I. M. Pozdeev	643	747
Structure of the Compound of Stannic Chloride with Three Aniline Molecules - E. K. Pichugina and V. A. Glybovskaya	645	748
Dispersion of Dielectric Permeability and the Structure of Ethylene Glycol - V. V. Levin and T. L. Podlovchenko	647	749

(Contd)

Available from Consultants Bureau

	Engl./Russ.
Dipole Moments of Certain C- and C,B-Halogeno-Substituted o-Barenes - A. I. Echeistova, Ya. K. Syrkin, V. I. Stanko, and G. A. Anorova	648 750
Determination of the Sequence of Introduction of Chlorine Atoms Into Para-barene by the Dipole Moment Method - A. I. Echeistova, V. I. Stanko, Yu. V. Gol'tyapin, and Ya. K. Syrkin	650 752
X-Ray Study of Crystals in the KI-HgI ₂ -H ₂ O System - V. A. Gerken and V. I. Pakhomov ...	652 753
Valency States of Atoms in Inorganic Molecules. VI. Geometric Structure of Molecules of Types MX _k , MY _n , and MX _k Y _n , Containing Transition Metals - O. P. Charkin ...	654 754
The Calculation of the Electronic Structure of Molecules by the Method of Two-Electron Orbitals II. The BLCAO Method - I. Ts. Lyast, T. S. Yampolskaya, and E. M. Zhdanova	657 757
Structure of the Conduction Band in Diamond and Silicon in the Semiempirical Tight Binding Method - A. A. Levin and A. A. Dyatkina	659 759

Available from Consultants Bureau

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Vol. 14, No. 9, pp. 1163-1304

March, 1970

CONTENTS

		PAGE	RUSS. PAGE
Spatial-Gain Criterion for Parabolic Equations. <u>A. M. Fedorchenko</u>	(T)	1163	1549
Stabilization of Large-Scale Plasma Instabilities by Feedback. <u>V. V. Arsenin</u>	(T)	1166	1553
Instability of a Magnetized Plasma in a High-Frequency Field. <u>N. E. Andreev</u>	(T)	1171	1560
Cyclotron Interaction between an Electron Beam and the Fast Magnetosonic Wave. <u>A. I. Ermakov and N. I. Nazarov</u>	(E)	1180	1573
Effect of Low-Frequency Oscillations on the Cyclotron Radiation of a Plasma Column. <u>Yu. K. Kuznetsov, O. S. Pavlichenko,</u> <u>and V. N. Starikov</u>	(E)	1184	1578
Theory of a Cylindrical Probe. <u>O. Ya. Savchenko</u>	(E/T)	1187	1582
Detailed Structure of Beam-Plasma Instability. <u>V. A. Lavrovskii,</u> <u>V. M. Deev, S. A. Rogashkov, Yu. G. Yaremenko, and I. F. Kharchenko</u>	(E)	1190	1586
Electron Energy Distribution in the Electrode Sheath in a Weakly Ionized Plasma. <u>F. G. Baksht</u>	(T)	1196	1594
Fast Electron Distribution at a Cathode. <u>I. P. Stakhanov</u> <u>and P. P. Shcherbinin</u>	(T)	1205	1607
Electrostatic Instability Criterion for a Plasma with an Irregular Distribution Function. <u>V. A. Zhrebtsov</u>	(T)	1212	1617
Ionization of Polarized Atomic Hydrogen in a Penning Discharge. <u>Yu. A. Plis and L. M. Soroko</u>	(E)	1216	1622
Ion Current Distribution at the Cathode Surface in a Low-Pressure Penning Discharge. <u>G. V. Smirnitckaya and Nguen Khyu Ti</u>	(T)	1219	1625
Resonance Effects with Absorption. <u>Yu. A. Medvedev and V. A. Cocnin</u>	(T)	1225	1634
Excitation of Electromagnetic Waves in an Electron Stream Passing Through a Waveguide with Imperfectly Conducting Walls. <u>K. N. Stepanov and A. A. Shishkin</u>	(T)	1228	1638
Excitation of Hybrid Oscillations of a Relativistic Electron Beam in an Iris-Loaded Waveguide. <u>V. M. Grizhko, A. I. Zykov, I. A. Grishaev,</u> <u>and G. D. Kratskoi</u>	(E)	1234	1646
Energy Losses in a High-Power Electron Beam. <u>I. I. Beilis,</u> <u>V. I. Rakhovskii, L. G. Tkachev, and M. Ya. Smelyanskii</u>	(E)	1237	1650

(Contd.)

Available from American Institute of Physics
Vol 14, No 9, 1970

JOURNAL TEKHNIЧЕСКОY FIZIKI
Vol 39, No 9, 1969

		PAGE	RUSS. PAGE
The Undulator Synchrotron. G. P. Fomenko and Yu. G. Yushkov.	(E/T)	1243	1658
Selective Excitation of X-Ray Fluorescence by Mixed Primary Radiation. G. V. Pavlinskii and N. P. Losev.	(T/E)	1247	1664
Resonator Losses in Solid-State Lasers. Yu. A. Kalinin, A. A. Mak, and A. I. Stepanov.	(E)	1255	1676
Investigation of Cryosorption Extraction of Helium, Hydrogen, and Deuterium by Layers of Condensed Gases. V. B. Yufarov and P. M. Kobzev.	(E)	1261	1683
Statistical Processing of Observations of Meteoritic Phenomena. L. V. Chernysheva.	(E)	1266	1689
BRIEF COMMUNICATIONS			
Energy Distribution of the Ions Produced by a Large Laser Pulse on a Solid Target. Yu. A. Bykovskii, N. N. Degtyarenko, V. I. Dymovich, V. F. Elesin, Yu. P. Kozyrev, B. I. Nikolaev, S. V. Ryzhinkh, and S. M. Sil'nov.	(E/T)	1269	1694
Plasma Production in the Tornado Device. G. A. Galechyan and B. P. Peregu.	(E)	1272	1696
Automatic Control of a Penning Discharge. S. I. Ivanov.	(E)	1277	1702
Energy Analyser for Charged Particles Focused by a Longitudinal Magnetic Field. I. G. Kozlov and L. N. Kabanov.	(T)	1280	1706
Surface Drift Oscillations of a Plasma. E. E. Lovetskii and V. P. Silakov. .	(T/E)	1283	1709
Multipole Degeneracy of the Eigenfrequencies of a Plasmod and Its Effect on Resonant Radiation-Pressure. M. L. Levin and R. Z. Muratov. .	(T)	1285	1712
Stationary Waves in a Magnetoactive Multicomponent Collisionless Plasma. A. D. Pataraya.	(T)	1288	1714
Investigation of Oxygen Adsorption on Tungsten by Secondary Ion-Ion Emission. V. F. Rybalko, B. Ya. Kolot, and Ya. M. Fogel'.	(E)	1290	1717
Effect of a Longitudinal Magnetic Field on the Output of a cw Argon Laser with Brewster Windows. A. É. Fotiadi and S. A. Fridrikhov. .	(E)	1292	1719
Novel Triplet of Electrostatic Quadrupole-Octupole Lenses with Corrected Spherical Aberration. E. V. Shpak, S. Ya. Yavor, O. R. Savin, and A. S. Kuzema.	(E)	1294	1720
Design of Electron-Optical Quadrupole-Octupole Correcting Lenses. E. V. Shpak and S. Ya. Yavor.	(T/E)	1297	1723
LETTERS TO THE EDITOR			
Mechanism for Electric Breakdown in High Vacuum. L. I. Pranevichyus and I. Yu. Bartashyus.	(E)	1301	1728

Available from American Institute of Physics
Vol 14, No 9, 1970

(Russian Original Vol. 39, No. 10, pp. 1723-1724, October, 1969)

April, 1970

		PAGE	RUSS. PAGE
Eddy Currents in Thin Plates and Shells. <u>L. A. Tseitlin</u>	(T)	1305	1733
Interaction of Simple Electromagnetic Waves in a Nonlinear Saturable Medium. <u>P. M. Kolesnikov</u>	(T)	1311	1742
Effect of Ionization and Recombination on the Electrodynamic Acceleration of a Plasma. <u>P. M. Kolesnikov</u>	(T)	1316	1750
Nonlinear Generation of Plasma Waves by a Beam of Transverse Waves. IV. <u>V. N. Tsytovich</u>	(T)	1321	1756
Shock Structure in Binary Mixtures. <u>A. D. Pataraya</u>	(T)	1331	1770
Wave Kinetics in an Anisotropic Plasma. II. <u>G. I. Suramlishvili</u>	(T)	1334	1774
Effect of a Nonlinear Monochromatic Wave on the Electrical Conductivity of a Fully Ionized Plasma. <u>F. Bainbetov</u> and <u>N. L. Tsintsadze</u>	(T)	1339	1781
Effect of Ion-Ion Collisions on the Nonlinear Interaction of Plasma Waves. <u>V. G. Makhan'kov</u> and <u>B. G. Shehinov</u>	(T)	1343	1786
Nonlinear Theory of the Hydrodynamic Two-Stream Instability. II. <u>V. G. Makhan'kov</u> and <u>B. G. Shehinov</u>	(T)	1349	1795
Nonlinear-Dissipative Instability for Magnetoacoustic Waves. <u>V. N. Oraevskii</u> and <u>V. P. Pavlenko</u>	(T)	1352	1799
Compensation of Toroidal Particle Drift by a Rotating Magnetic Field. <u>T. R. Soldatenkov</u>	(T)	1355	1803
Effect of a Metal Sheet on the Radiation from a Charge Moving Parallel to the Boundary between Two Dielectrics. <u>L. G. Naryshkina</u> and <u>I. M. Yurkov</u>	(T)	1360	1810
Effect of the Ion-Acoustic Instability on the Skin Effect in a Plasma. <u>B. N. Breizman</u> , <u>V. V. Mirnov</u> , and <u>D. D. Ryutov</u>	(T)	1365	1817
Electric Breakdown in Vacuum at Various Voltages. <u>I. N. Slivkov</u>	(E)	1369	1822
High-Current Pulsed Hydrogen Arc at Pressures up to 400 Atmospheres. <u>V. I. Petrenko</u> , <u>R. V. Mitin</u> , <u>Yu. R. Knyazev</u> , and <u>A. V. Zvyagintsev</u>	(E)	1373	1827
Rotation and Instability in Plasmoids Moving into a Magnetic Field. <u>A. A. Kalmykov</u> and <u>S. A. Trubchaninov</u>	(E)	1379	1834
Cooling of a Dense Deuterium Plasma. <u>G. I. Goncharova</u>	(E/T)	1387	1845
Stray Magnetic Fields above a Ferromagnet. <u>V. P. Bilenskii</u>	(T/E)	1395	1855

(Contd.)

- 257 -

JOURNAL TEKHNIЧЕСКОГО ФИЗИКИ
Vol. 39, No. 10, 1969

		RUSS. PAGE	PAGE
Invariance of the Noise Parameters S and ϵ in Electron Beams of Varying Cross Section. <u>A. F. Golubentsev</u>	(T)	1395	1859
Diamagnetic Resonance in Strong Fields. <u>V. I. Paltov</u> and <u>I. A. Shukel'do</u>	(T)	1401	1863
Mode Deformation in Open Resonators with Plane Mirrors. <u>Yu. A. Anan'ev</u> , <u>V. V. Lyubimov</u> , and <u>I. B. Orlova</u>	(T)	1408	1872
On Enhanced Optical Gain. <u>I. F. Balashov</u> and <u>V. A. Berenberg</u>	(T)	1415	1881
Amplification of Short Optical Pulses in Neodymium Glass. <u>A. A. Mak</u> , <u>B. G. Malinin</u> , <u>V. A. Novikov</u> , <u>D. S. Prilezhaev</u> , <u>A. I. Stepanov</u> , and <u>V. I. Ustyugov</u>	(T/E)	1418	1886
Surface Ionization of Easily Ionized Atoms in the Threshold Temperature Region. <u>N. I. Ionov</u> , <u>E. N. Lebedeva</u> , and <u>M. A. Mittsev</u>	(T/E)	1423	1893
Surface-ionization Kinetics of Cesium on Tungsten by the Flash Method. <u>N. I. Ionov</u> , <u>E. N. Lebedeva</u> , and <u>M. A. Mittsev</u>	(E)	1432	1905
BRIEF COMMUNICATIONS			
Approximation Method for Calculating Equilibrium Ionization in an Inert Gas. <u>N. V. Sinitsyn</u>	(T/E)	1437	1911
Theory of Thermionic Converters with Volume Ionization. <u>V. A. Shustov</u> and <u>T. K. Zerzdkina</u>	(T/E)	1339	1913
Transition from Field Emission to a Vacuum Arc. <u>G. N. Fursei</u> and <u>G. K. Kartsev</u>	(E)	1442	1917
Polarization Effects in an He-Ne Laser Operating at $\lambda = 3.39 \mu$ in a Magnetic Field. <u>D. K. Terekhin</u> and <u>S. A. Fridrikhov</u>	(E/T)	1444	1919
LETTERS TO THE EDITOR			
Continuous Generation of Coherent Radiation in a Discharge in Zn and Cd Vapors Obtained by Cathode Sputtering. <u>E. K. Karabut</u> , <u>V. S. Mikhalevskii</u> , <u>V. F. Papakin</u> , and <u>M. F. Sem</u>	(E)	1447	1923

Available from American Institute of Physics

INDEX TO AUTHORS

This index does not include authors listed in the cover-to-cover tables of contents.

- A -

'Abdush, Iekhr al-Din		Amarhuu, O.	55
Ahalid	38	Amhartsumyan, V.	58
Abha, J.	45	Ametrano, L.	93
Abirmid, E.	43	Amonenko, V. M.	87
Abzanov, A. I.	75	Amrane, Sadek Ait	37
Abzi, E.	97	Anders, A. A.	97
Achimescu, C.	56	Andreou, Andreas	40
Adam, H.	104	Andreyev, M. Kh.	98
Adamesku, R. A.	86	Andriyevskiy, S.	100
Adamonis, Jozef	25	Anes, Muhammad	39
Adhami, Josif	31	Anichkina, V. S.	17
Aganbegyan, Abel	9	Annayev, A. A.	98
Agranat, B. L.	190	Antipin, M. V.	77
Agranovskiy, Anatoliy	54	Antonov, A.	81
Aharkov, H. B.	63	Antonov, Ye. G.	101
Aitov, N.	12	Arakelyan, A.	13
Akhababyan, N.	58	Araki, T.	94
Akhmedov, K.	1	Aranzon, M. A.	101
Akhmedov, K. A.	13	Aratskiy, Yu.	13
Akhutin, I. V.	108	Araujo,	
Akimenko, A. P.	53	Paulo Cesar de	51
Akimov, V. N.	108	Araya Bori, Raul	49
Aksic, Stanoje	27	Arias, Mortimer	51
Aladyev, I. I.	112	Ariszendi, Rodney	49
Aleinikov, V. Ye.	109	Arkhipov, Ye.	9
Aleksandrov, A.	120	Armillei, E.	66
Aleksandrov, A. I.	52	Armen, Arye	39
Alekseyev, I. A.	77	Artem'yev,	
Alekseyev, N.	6	Aleksandrov P.	108, 120
Alekseyev, P.	9	Artsimovich, L. A.	120
Alekseyevskiy, Ye. Ye.	54	Arutyunov, S.	46
Aleshin, A. G.	51	Ascione, A.	66
Aleynikov, V.	21	Ashimbayev, T.	6
Alia, Ramiz	27	Askarov, M. A.	68
Aliyev, G. A.	14	Astashkina, O. I.	78
Aliyev, M. I.	68	Asviyan, M. B.	82
Alksne, V. I.	84	Atanasov, Nicola	74
Allakhverdov, A. Sh.	115	Atangana-Ndzie, Joseph	35
Allakhverdyan, D.	13	Aubert	64
Allendes,		Audouin, J.	64
Maria Cecilia	51	Avdeyev, D. T.	101
Allina, Z.	71	Avdeyev, Yu.	11
Alpatov, V. V.	96	Averbukh, D. B.	3
Alyabina, Ye. A.	84	Avramov, Albert	31
Amara, Hamadi Ben	35	Ayzenberg, A. L.	76
		'Azab, Qadri	37
		Azanov, V. F.	75

Adarkh, M.	4
Adogin, I. I.	98
Aizov, I. A.	82

- B -

Babin, Yu. A.	101
Bachtold, H.	90
Bachuryan, A.	2
Badinter, Ye. Ya.	76
Badzinski, Z.	82
Baglay, M.	15
Bagramyants, V. O.	72
Bagriy, P.	3
Bakauskas, A.	17
Bakhirko, B.	99
Bakhrakh, Ye. Ye.	60
Bakhtiyarov, V. G.	67
Bakhtukov, N.	12
Bakhvalov, N. S.	97
Baksakov, N.	12
Balakin, Ye. D.	5
Balanov, B.	5
Balkov, P. P.	12
Ballhysa, Hatlije	27
Balyayev, A.	15
Bapshizmanskiy, V. I.	84
Barabanov, L.	11
Barabanov, Ye. V.	119
Baranenkova, T.	13
Baranov, A.	2, 18
Baranov, Yu.	23
Baranyuk, V. A.	107
Barayev, A.	55
Bardhoshi, Besim	23
Barducci, I.	69
Barety, J. L.	63
Barkovskiy, N.	1
Barlier, F.	72
Baron, H.	63
Barrere, Marcel	89
Barzdin', Ya. M.	96
Bashmakov, I. Ya.	78
Basis, L. V.	101
Baskin, V. Ye.	111
Basta, Ljubica	32
Batyshev, S.	1
Bauer, G.	91, 92
Baum, V. A.	98
Baybakov, N.	15
Baykov, V. S.	113
Bayseitov, R.	4
Bazarova, G.	4
Bazhin, M. A.	114
Bazilevskiy, M. V.	67

Bazvlenko, G. I.	192
Behrens, E. I.	92
Beil, G.	24
Bejar Rivera, Hector	49
Belevich, R. R.	61
Beiger, E.	121
Believ, D.	14
Belik, N.	10
Belinskis, F. F.	79
Bel'kovich, V. M.	63
Beloborodov, V.	100
Belobragina, L. S.	77
Belotserkovskiy, G. B.	108
Belous, N.	18
Belova, Z. A.	62
Belozerova, L. I.	77
Bel'skaya, A. R.	52
Belyak, K. N.	54, 102
Belyavskaya, G. B.	96
Belyayev, A.	16
Bembenek, Z.	87
Benda, M.	87
Benes, F.	88
Benitez Rojo, Antonio	51
Benyahia, Mohamed Sadek	36
Bergh, S.	71
Berlin, B. A.	77
Bernshteyn, M. S.	86
Berwig, Ernst-Heinrich	28
Besedin, V.	3
Besedina, L. P.	99
Betev, B.	112
Bil'chenko, A. V.	84
Bino, Fejzo	23
Biryukov, Yu. L.	106
Bisnovatyy-Kogan, G. S.	115
Blanco, Juan Antonio	49
Blaumstein, I. M.	109, 113
Blinov, B. S.	102
Bliznets, V.	1
Bobolev, V. K.	118
Bobrova, M. V.	113
Bobzin, W.	107
Bodner, Vasilii Afansyevich	97
Bodyul, I. I.	2
Bogdan, A. D.	99
Boglic, Mira	32
Bogolyubov, V. S.	85
Bogomolov, O.	1, 3
Boldin, V.	54
Bollag, H. R.	65
Bolle, G.	72
Bologan, N.	56

Bol'shakov, P.	9
Bolshutkin, D. N.	84
Borchers, H.	90
Borisoglebskiy, G.	55
Borisov, Yu. P.	118
Borzenko, S.	120
Boss, A. Ye.	2
Botezat, T.	56
Botvin, A.	16
Boukhalfi, A.	80
Boulot, F.	97
Bourriot, R.	103
Boyeva, R. S.	87
Bratslavets, P. F.	76
Braverman, A. S.	53
Brdlik, P. M.	114
Brekhman, I. I.	60
Brenner, M. M.	71
Breslav, I. S.	62
Brimerberg, V. P.	81
Britanishskiy, R. G.	77
Britvich, G. I.	109
Brodskiy, A.	13
Brovman, M. Ya.	84
Brutents, K.	15
Bryukker, L. Ye.	100
Bub, H.	90
Bubnov, V. P.	114
Buderkina, P.	2
Budnitskiy, V. A.	118
Buhler, H.	92
Bulatov, M.	54
Bulygin, K. A.	77
Burdarina, S. A.	109
Burdese, A.	69
Burgasov, P. N.	60
Burka, M. I.	8
Buron, J.	37
Burova, A. F.	8
Buslin, E.	89
Butt, E. P.	116
Buzdalov, I.	54
Bychatin, Donat Alekseyevich	75, 76
Bykhovskaya, T. N.	67
Bzowski, Zdzislaw	25

- C -

Calleja, J.	118
Caloni, O.	69
Capozza, Franco	74
Carare, O.	56
Carpinisan, C.	65
Carrasco T., Jose	49

de Carvalho, Bernardino	50
de Carvalho, G. Soares	74
Casanas, Jose	47
Castor, Emilio	47
Cavagna, G.	66
Cernea	64
Chalenko, P. I.	97
Chalupa, V.	60
Chalupova, V.	60
Chaplygina, S. R.	62
Chavichot, Albert	34
Chaykin, S. G.	9
Che Viet Tan	46
Chebotarev, Yu. P.	107
Chechin, D. A.	101
Checinski, Tadeusz	121
Chekhovoy, Yu. N.	100
Chekmarev, A. P.	85
Ch'en Tsung-yung	72
Cheremukhin, K.	30
Cherepov, I. A.	100
Cherikasskiy, A. Kh.	111
Chernetskiy, N. S.	81
Chernov, P.	120
Chernyak, R. Ya.	106
Chernyi, I. M.	98
Chernykh, V.	3
Chernyshenko, I. S.	99
Chernyshev, P. S.	81, 104
Chernyshev, V. S.	108
Chervonenko, V. N.	74
Chiang Huai	41
Chien Binh	46
Ch'in Tseng-hao	72
Ch'in Yun-shan	72
Chistovich, L. A.	62
Chistyakov, V.	19
Chu Hou-ch'ing	72
Chu Van Tan	46
Chuang Yung	42
Chung Te-yuan	72
Churakov, V.	7
Chushkin, P. I.	115
Chuyko, L.	20
Chvojka, J.	87
Ciolan, Ioan L.	26
Clot, J.	80
Coman, C.	65
Combes, G.	103
Como, Mimir	55
Comrag, D.	56
Comte, Gilbert	36
Comunetti, Angelo	117
Conrad, O.	53

Constantinescu, Miron	29
Constantini, Costanzo	33
Conti, M.	93
Contreras, Felix	51
Coroi, V.	32
Coste, Florian	26
Courtois, Jacques	33
Couzinet, R. M.	89
Crombet, Jaime	48
Cukanovic, Savo	57
Cvijic, Nikola	27

- D -

Dabayanah, Taysir	35
Dadayan, V.	13
Dalin, S. A.	12
Damiani, Antonio	104
Danilov, P.	5
Daninovskaya, V. I.	111
Dankevich, P.	19
Darowski, R.	55
Das, R. N.	92
Datsenko, V. P.	78
Dauzats, M.	89
Davydov, B. N.	118
Dechaume	63
Defek, V.	91
Degil' G. S.	98
Deker, H.	73
Dementsev, V.	3
Dement'yev, G. P.	61
Dement'yev, S. K.	79
Denisov, S. G.	74
Deryagin, B. V.	67
Deryugin, L. N.	76
Devillers, Michel	73
Didkovskiy, V. K.	84
Dimitrov, Stamen	55
Diringer, Pierre	116
Dittmer, M.	116
Divis, Vladimir	28
Dmitrakova, G. I.	78
Dmitriyev, Sergey	39
Dmitriyev, Ye. G.	83
Dmitriyevskiy, A. A.	18, 107
Dobuzhinskiy, V. I.	11
Dolgormaa, B.	41
Dolishniy, M.	3
Doncheva, N.	63
Donda, Arno	28
Donilenko, V.	3
Dorfman, A. Sh.	110
Dorman, L. I.	58

Dorokhov, O. I.	118
Doyger, V. I.	76
Doyev, S. D.	67
Dreshpak, V. A.	83
Drobnik, S.	116
Drobot, G. K.	83
Drossos, St.	40
Drozdov, V. M.	59
Drum, W.	65
Dubkov, A.	16
Dubovik, A. S.	106, 114
Dubovik, N.	3
Dudinskiy, I.	10
Dukov, R.	19
Duleyev, V. V.	108
Dumachev, A.	1
Dundr, J.	103
Dundukov, V.	19
Duranov, Ye. F.	100
Dushkov, B. A.	62
Dushniku, N.	31
Duvanova, A. P.	68
Dvorkovich, V. P.	108
Dworak, Ulf	72
D'yachenko, L. I.	87
D'yakonov, Yu. N.	75
Dynin, I.	20
Dyshko, A. L.	111
Dzieciolowski, Jerzy	25
Dzunduy, D.	46

- E -

Ebel, A.	59
Ebner, H.	107
Ehrmann, Luis	50
Ejima, T.	70
El'kin, Armol'd	99
Elster, Joseph	73
Engel, R.	120
Erdey-Gruz, Tibor	121
Erhart, Kurt	30
Eriksen, P. F.	109
Eroglu, Hamza	40
Espenhahn, M.	92

- F -

Fazlagic, Muris	27
Fedin, V. A.	78
Fedorenko, N.	3, 13
Fedorenko, R. N.	96
Fedorishcheva, L.	3
Fedorov, N.	21

Fedotenkov, A. G.	61
Fel'chukov, Yu.	18
Fenner, Wolfgang	104
Fepveskiy, P.	23
Ferrero, M.	69
Ferro, A.	117
Feygiv, M. V.	81
Feynbert, Ye. L.	112
Filatov, O.	9
Fil'kov, V. G.	97
Fischer, Alfred	64
Fischer, Ernst	33
Fischer, H. J.	107
Fivenskiy, Yu. L.	106
Fokin, V.	6
Fontaine, Andre	28
Fragstein, C. V.	107
Frank, Pierre	33
Frankowska, Malgorzata	121
Fricke, H.	90
Fridlyander, I. N.	82
Fritsnovich, G. F.	75
Frolov, I.	18
Fu Ch'eng-i	72
Fujiyama, S.	95
Fuks, I. G.	67

- G -

Gagarin, Ya.	60
Gainotti, A.	110
Galunov, V. I.	62
Gamaliy, N.	15
Gapurov	1
Garbuzov, V.	15
Garces, Marcel	50
Gardy, H.	106
Garkavyi, P.	54
Garoche, P.	80
Gaushus, Ye. V.	96
Gauzner, N. D.	23
Gavranek, V. V.	84
Gavrikov, F.	21
Gavrilenko, G. D.	100
Gavrilov, G. A.	77
Gavrilov, Ye.	10
Gawel, Czesaw	30
Gaydamakin, N. A.	61
Gayduk, A. K.	8
Gedeshi, Petro	24
Gel'd, V. V.	83
Gelig, A. Kh.	60
Geller, R.	116
Geller, V. M.	76
Gelpi, A.	89

Gelfman, A. Ye.	8
Georgiev, Georgi	24
Gerasimov, I. P.	82
Gerasimov, V. G.	112
German, A. I.	71
Germanyuk, V. N.	78
Gershberg, A. Ye.	108
Gerullis, W.	110
Getman, A. L.	21
Gidikov, A.	63
Gilevich, M. V.	68, 83
Ginetsinskaya, T. A.	62
Giolitti, F.	105
Giroud, J. P.	103
Gjoni, Xhelil	27
Glazkova, A. P.	118
Glezerman, G.	22
Glinkov, G. M.	84
Gliozeni, K.	31
Glozman, I.	7
Goch, Fl.	55
Gogolev, I. G.	104
Gol'din, V. Ya.	115
Gol'dman, I. Ya.	75, 76
Golijanin, Milan	26
Golitsyn, V. M.	108
Golovachev, V.	101
Golovikhina, V. P.	108
Golovko, G.	20
Golovteyev, V.	61
Golubentsev, A. N.	53
Galubinskiy, A. L.	112
Goncharov, A. V.	77
Gorbatskiy, V. G.	57
Gordin, M. I.	120
Gorlov, I. G.	112
Gornostayev, N. V.	59
Gorokhovskiy, G. A.	85
Gosfkowska, B.	71
Gourou, Pierre	46
Grafov, L.	119
Grdina, Yu. V.	84
Grebe, K.	55
Grebennikov, V. G.	3
Grechko, A.	14
Grellet	63
Gribanov, I.	20
Gridneva, S. M.	113
Grigorashchenko, O. Yu.	61
Grigorov, N. L.	112
Grigorov, Slave	74
Grigor'yev, A.	7
Grigoryev, A. I.	119
Grigor'yev, A. P.	11

Grigor'ev, G. A.	125
Grigor'ev, G. I.	115
Grinkhof, M. I.	71
Grodzovskiy, G. I.	120
Gromeka, V. I.	12
Groschoff, Kurt	25
Gross, Irmfried	28
Grosul, Ya.	120
Grozdanic, Stanko	26
Grushina, I. P.	96
Gruss, R.	116
Gryazin, G. N.	76
Grzhibovskiy, S.	97
Gubrina, L.	7
Guiot, J. M.	89
Guk, A.	20
Gulyan, P. V.	5
Gurczyk, J.	88
Gurevich, A. V.	110
Gurevich, S. B.	77, 78
Gurushkin, V. A.	99
Gusakov, A. A.	113
Gutbauer, F.	92
Guttsayt, Z. I.	118

- H -

Ha Huy Giap	44
Haas, J.	71
Haastert, H. P.	92
Hadamek, L.	80
Hadri, F.	37
Haehl, W. D.	90
Hager, Franz	33
Hai Hsin-wen	42
Hai Ping	72
Halasz, Peter	31
Haler, G.	89
Halm, L.	89
Ham, Duro	105
Hamernik, Emilian	27
Hamza, Z.	88
Haney, Gerhard	29
Hanke, E.	90
Hans, Josef	34
Hartman, A.	119
Hartmann, G.	59
Hartmann, T.	91
Hartung, F.	107
Harzbecker,	
Hans-Juergen	24
Haskind	108
Hattatah,	
Muhammad Niyazi	38
Hausknecht, J. J.	72

Hecchi, J.	127
Hegi, L.	65
Hein, Gaenter	25
Heina, J.	88
Helie	34
Herbert, J. J.	63
Herbslab, G.	92
Hermann, W. P.	65
Hernandez Parker, Luis	48
Herreman, Philippe	39
Herteg, Ion	56
Hertz, J. H.	116
Heymann, E.	91
Hilnhutter, F. W.	92
Hinrichs, E.	93
Hirano, K.	69, 70, 117
Ho Quoc	42
Hoang Dien	57
Hoang Tung	44
Hofmann, O.	24
Hohla, K.	116
Honekker, Erich	30
Hong Chi	43
Horigome, T.	93
Horn, G.	92
Hornik, Leopold	33
Horvatic, Mato	30
Hosoi, Y.	94
Hosokawa, Y.	93
Hostin, Robert	121
Huang Pu-chou	87
Huszar, Istvan	25
Huu Hanh	42
Hyska, K.	88

- I -

Ibragimov, M. Kh.	112
Ignatov, K.	31
Ikonitskaya, I. A.	23
Il'in, V.	21
Il'inskaya, N.	9
Ilkhamov, M. Kh.	68
Il'kov, D. F.	81
Il'yuchenok, R. Yu.	62
Imai, Y.	69
Imam, Hafiz	63
Imanov, M. Sh.	101
Indychenko, Yu.	109
Inomata, Y.	71
Iovchuk, M.	16
Irov, N.	8
Isagulyants, V. I.	87
Ishii, Y.	117

Isham, J.	4
Istomin, V. P.	8
Ivanescu, D.	26
Ivanov, O. A.	106
Ivanov, S.	16
Ivanov, V. B.	108
Ivanov, Ye. A.	75
Ivanovic, M.	57
Ivasenka, V. N.	12

- J -

Jacobsen, A.	116
Jagrenaux, Joaquin F.	47
Jakob, F.	65
Jakoubek, V.	79
Jakubowicz, Maria	25
Jakubowski, H.	121
Jandos, F.	88
Jauch, R.	92
Javelle, P.	89
Jelic, Nikola	27
Jovicevic, Milanko	31
Juda, J.	59
Jung, W.	109

- K -

Kabalkina, N.	10
Kabes, K.	80
Kadman, Naphtali	73
Kaell, M.	89
Kagan, Jakob	73
Kalashnik, M.	20
Kalashnikov, V. V.	17
Kalaydzhyan, R. A.	87
Kalikhman, L. Ye.	115
Kallai, Gyula	29
Kal'manson, V. A.	75
Kalmykov, A. I.	97
Kal'nin, A. A.	83, 84
Kalugin, V. M.	115
Kaluzynski, Zygmunt	29
Kalymbetov, Zh.	17
Kamiya, K.	95
Kantor, M. M.	82
Kanzaki, H.	121
Kapitsa, P. L.	114
Karatseva, I.	4
Karpov, N. I.	100
Karpov, P.	6
Karst, Zdzislaw	25
Kasabov, G. A.	113
Kasatkin, D.	18
Kasatonov, V. A.	20

Kato, T.	74
Kashima, T.	13
Kashkenbavev, Z.	21
Kastner, G.	116
Kateyshev, I. M.	81
Katic, Dusan	56
Katkov, V.	19
Katsov, K. B.	83
Katyukhin, V. Ye.	77
Kawakami, K.	93
Kawashima, Chihiro	70
Kawazoe, K.	117
Kazakovtsev, V. P.	18, 107
Kazandzhan, Ye. P.	111
Kazanskiy, V. N.	98
Kazharskiy, V.	19
Ke T.	115
Kebin, I. G.	2
Keldysh, M.	15
Keldysh, M. V.	120
Kenji Nakagawa	109
Kestenboym, Kh. S.	59
Keves, Istvan	30
Khachaturov, K. A.	48
Khakimov, Ya. M.	81
Khalaminskiy, Yuriy	46
Khanenko, V.	8
Kharbash, A. Kh.	86
Kharchenko, G. V.	14
Kharchenko, S. K.	91
Kharin, D. A.	71
Kharmats, L. M.	61
Khavkin, V. L.	76
Khayrov, V. U.	100
Khazen, I.	119
Khenkin, M. L.	82
Khermanis, Ye. Kh.	75
Kheyn, D. M.	83
Khizhak, L. S.	58
Khizhnyakov, V.	12
Khlebnikov, A. B.	17
Khlebnikov, V.	54
Khodokov, V. G.	59
Khol'nova, Ye. A.	113
Kholyavchenko, A. A.	17
Khorev, A.	20
Khoroshevskiy, V. G.	74
Khozhayinov, A. I.	81
Khramov, N. Ye.	111
Khromchenko, M.	60
Khutoretskii, G. M.	104
Kichkin, G. I.	86
Kietlinska, Zofia	32
Kijametovic, Z.	105

Mikhalev, A. V.	4
Milichay, Albert	54
Milton, E.	74
Kim Ch'ol-man	45
Kiparisov, S. S.	85
Kiperman, G.	7
Kipylov, S. M.	8
Kireyev, B. S.	11
Kirillin, V. A.	71
Kirillov, I. I.	104
Kirillov, N.	22
Kirpichnikov, V. M.	76
Kirsten, Johannes	28
Kir'yanov, G. I.	115
Kiselev, V. A.	75
Kishko, Ya. G.	61
Kivimaki, Erkki	32
Kiyoshi Onoda	70
Klauson, V. I.	10
Klimenko, G.	109
Klimov, K. I.	86
Kliszko, Zenon	30
Kluger, W.	116
Knap, P.	80
Knezevic, I.	57
Knoll, Peter	116
Ko Yong-tok	46
Kobayashi, S.	94, 95
Koc, S.	68
Koch, K. H.	90
Kochinyan, A.	22
Kochinyan, A. Ye.	1
Kochubey, A.	53
Kochubiyevskiy, I. D.	76
Koenig, P.	90
Koenitzer, J.	92
Kogan, V. S.	87
Kohler, E.	92
Kohler, G.	80
Kokashinskiy, V.	6
Kokoshkin, V. A.	114
Kolakowska-Polubiec, K.	66
Koler, I.	19
Kolesnikova, T. A.	106
Kolmogorov, A. N.	112
Kolpakov, B.	13
Kominov, V. I.	5
Komochin, Zoltan	30
Komrakov, G.	5
Kondi, Piro	31
Kondrat'yev, K. Ya.	58
Kondrat'yev, V. F.	81
Kondratyuk, A. M.	86
Konig, P.	90, 92

Kononov, P. I.	27
Kononova, N.	39
Konstantinov, B. P.	54
Kootz, Theodor	12
Koprov, V. M.	96
Korablev, A. I.	99
Kordus, A.	82
Koreshkov, P.	2
Kormnov, Yu.	7
Kornilov, A.	55
Kornilov, Yu. B.	102
Korobov, M. G.	71
Korobova, I. P.	102
Korol', V. A.	9
Korolev, M.	16
Korol'kov, A. M.	82
Koretkov, V.	19
Korovushkin, A.	4
Korsunskiy, V. M.	75
Korwin-Pawlowski, M.	118
Koshumbekov, Kh. D.	112
Kosing, Alfred	28
Kossovskiy, V. G.	75
Kostenko, O. V.	61
Koster, W.	90
Kostov, Ml.	31
Kostyakov, V. A.	79
Kotelevskiy, Yu. G.	114
Koval, I. K.	57
Koval'chuk, L. Ya.	81
Kovalev, I. F.	67
Kovalev, N.	13
Kovalev, V.	71
Kovalevskiy, V. A.	76
Kovar, Jiri	27
Kovrizhnykh, O. M.	114
Kowalewski, M.	88
Kozhevnikov, S. N.	85
Kozhevnikov, V. A.	62
Kozhukhar', A.	16
Kozhukhov, F.	8
Kozlov, G. I.	114
Kozlov, Rudol'f Aleksandrovich	87
Kozub, K.	10
Kraftmakher, Ya. A.	110
Kral, Vaclav	27
Kraljevic, Vanja	30
Kramer, H.	90
Krasil'nikov, V. N.	112
Krasil'nikov, Ya. A.	68
Kratochvil, J.	79
Krauss, Hans	103
Kravcenko, V.	90
Kravchenko, O.	13

Kuznetsov, A. A.	81
Krestovnikov, A. A.	81
Krinskiy, S.	80
Krishnan, Narayana	89
Krishnal, M. A.	87, 111
Kron, H.	91
Kronberg, V. Zh.	84
Krovosheyev, M. I.	77
Krupenina, A. V.	106
Krupin, A. V.	85
Krustev, G.	30
Kruzhilin, V. N.	83, 101
Krylov, L. P.	106
Kryukov, I. V.	114
Kryzhanovskiy, B. P.	100
Kubrik, M. Sh.	77, 78
Kuca, M.	80
Kucera, J.	88
Kucinic, D.	66
Kudaka, K.	69, 93, 94
Kudryashev, L. I.	113
Kudryavtsev, S. I.	60
Kudryavtsev, V.	19
Kuhl, H.	91
Kulakov, A.	20
Kulichenko, L.	54
Kuligin, P.	8
Kuliyev, A. M.	82
Kul'kova, L. P.	113
Kul'vets, P.	7
Kumsiyashvili, P. G.	81
Kunitomi, N.	117
Kuntsevich, V. M.	100
Kurdyumova, G. G.	83
Kurilov, I.	18
Kurshin, L. M.	100
Kurzin, V. B.	114
Kushkov, Ye.	15
Kushnikova, V. S.	99
Kustarev, A. K.	108
Kut'kov, A. A.	83, 101, 102
Kutolin, S. A.	86
Kutsak, A. A.	114
Kutsenko, T. L.	86
Kuvshinskiy, N. G.	79
Kuz'menko, G. Ye.	75
Kuznetsov, A. B.	109
Kuznetsov, A. Ya.	109
Kuznetsov, B. A.	98
Kuznetsov, K. I.	61
Kuzovkov, A.	13
Kyazimov, T. G.	3

La Mouton, J.		Lugovoy, V. N.	11
Langer, H. Ye.	120	Lumarkin, V.	15
Lapchenko, Yu.	5	Lombard, V.	68
Lapuk, A. G.	76	Lomniewski, E.	74
Larbi, Tayebi	55	Lonchakov, A.	11
Larionov, V. V.	52	Londe, P.	106
Larsen, Aksel	52	Londe, Pierre	72
Lask, G. W.	92	Loops, W.	107
Laval, Pierre	116	Lopato, V. N.	78
Lazur'nevskiy, G. V.	120	Lopushanskiy, A.	54
Le Duan	44	Lorenz, Franz	68
Le Vinh	41	Lorenz, R.	68
Lebeda, S.	106	Losev, S. A.	39
Lebedev, C.	6	Lotsman, M. P.	87
Lebedev, M. G.	111	Loyter, M.	13
Lebedev, N. N.	79	Lubsansharab, Ts.	46
Lebedev, V.	60	Ludwig, H. W.	91
Lebedev, V. P.	115	Luginin, I. G.	102
Ledda, Romano	47	Luginskiy, Ya. N.	81
Legendre, R.	53	Lugovoy, V. N.	111
Leizerovich, A. Sh.	97	Lukin, I.	17
Lekhnitskiy, S. G.	98	Lukin-Lebedev, O. P.	101
Lemeshchuk, P. K.	79	Lukovets, A.	17
Lemeshev, M.	54	Lundaajantsan, N.	41
Lenin, V. L.	16	Lunev, V. V.	111
Leonov, A. I.	110	Luriya, A. R.	61
Leont'yev, Al.	23	Lutov, V. A.	60
Leont'yev, A. P.	52	Lutzeler, T.	90
Leont'yev, L. A.	51	Lysikova, L.	7
Leont'yev, N.	19	Lyuberatskaya, B. N.	52
Leroux	34	Lyubimov, A.	23
Leshchevskiy, I.	9	Lyubimov, V. D.	21
Levento, R. A.	87	Lyubin, V. M.	76
Levi, Enzo	105		
Levin, A. V.	81	- M -	
Levin, L.	73		
Levtrinskiy, F.	3	Machu, W.	91
Leynik, M. V.	62	Maciulis, A. N.	67
Leytes, V.	3	Madorskiy, G.	100
Li Ming	116	Maekawa, S.	95
Liberman, F.	11	Magat, M.	68
Librovich, V. B.	115, 119	Magomayev, L. D.	75
Lima, Eunice	48	Magomedov, K. M.	111
Linetskiy, B. L.	85	Magrini, Liliana	36
Lipin, Ye.	8	Makarov, V. M.	98
Lipsman, S. I.	99	Makarov, V. N.	104
Lir, Yu. S.	12	Makeyev, G.	12
Lirov, N.	84	Makhin, Yu. P.	101
Litvinov, A. A.	119	Maksinov, V. G.	114
Litvinov, V.	16	Malakhin, P. M.	11
Lleras	50	Malakhov, I. K.	76, 77
Lobanov, N.	4	Malakhov, K. N.	14
Lobedan, E.	91	Malczewski, J.	96

- N -

Nabokov, V. A.	61
Nadenenko, B. S.	75
Nadezhdina, N.	12
Nakase, E.	93
Nakhodkin, N. G.	79
Narak, A.	4
Narita, K.	94,95
Nasledov, D. N.	114
Nassar, Fuad	39
Natal, Jose	105
Naumenko, V. A.	99
Naumov, P. Ye.	14
Naydich, Yu. V.	102
Nazarov, R.	10
Nechayev, S. A.	76
Nedoshovenko, V. A.	101
Nefed'yev, A. P.	77
Neisener, I.	25
Nemchinov, I. V.	102
Nemilov, V. A.	84
Nencini, R.	65
Neshukaytis, V. V.	79
Nesmeyanov, A. N.	68
Nesterenko, V. B.	114
Neugebauer, E.	107
Neyizvestnyy, N.	22
Nezlin, M. V.	111
Ngjela, Vera	31
Ngouabi, Marien	36
Nguyen Binh Chu	45
Nguyen Dien	41
Nguyen Dinh Hiep	42
Nguyen Khac Vien	52
Nguyen Khanh Toan	44
Nguyen Minh Phuong	50
Nguyen Thanh	41
Nguyen Van Tran	43
Nicovescu, H.	56
Niculescu-Mizil, Paul	29
Niizeki Nobukazu	94
Nikiforov, O. A.	85
Nikitin, B.	21
Nikitin, I.	4
Nikitin, V. M.	9
Nikolashkin, A.	8
Nikolayev, G. A.	102
Nikolayev, L. A.	102
Nikolic, M.	56
Nikolic, V.	57
Nikol'skiy, S. I.	112
Nitsche, M.	90
Niyazmatov, V.	30
Nolte, Hartmut	65
Norkus, P. K.	106

Notkin, D. I.	118
Novikov, O.	8
Novikov, S. S.	113
Novikova, I. D.	104
Novotny, A.	116
Nudel'man, Z. N.	84

- O -

Oberlander, Helmut	29
Oblomskaya, I.	8
Odintsov, V. A.	120
Okazaki, K.	70
Okumura, H.	95
Onderka, M.	87
Onishi, I.	71,95
Opaschi, Mihai	26
Opocensky, I.	103
Oppermann, Klaus	24
Opravil, O.	68
Orive Alba, Adolfo	105
Orlov, I.	3
Orlov, Ya.	7
Oruzhev, Z.	16
Orudzheva, I. M.	82
Osipenko, I.	22
Osipov, K. A.	111
Osterndorff, A.	91
Ostroukh, F.	21
Ostrovskiy, M. Ye.	100
Ottolina, C.	66
Overzov, B.	14
Owada, Y.	95
Oyarce, Jose	49
Ozolin, L. A.	67

- P -

Pak Son Gyun	41
Pak, Yu.	9
Pakhorukov, V. I.	61
Palenov, V.	9
Palterovich, D.	13
P'an Kuei-neng	103
Panasyuk, V. V.	86
Pan'kov, M. V.	8
Pannikov, V.	55
Panov, P.	8
Panova, M.	1
Pantelic, Milojica	30
Papajorgjic, Harilla	23
Papernov, A. A.	78
Parfenov, G. P.	61

Parfenov, V.	8	Podhorski, Ivo	57
Parkhomenko, V. I.	77	Podol'skiy, I.	78
Parshina, Ye.	7	Podwysocki, Tadeusz	96
Partos, Judit	121	Podyachikh, P.	23
Pasechnik, I. P.	109	Pogodina-Alekseyeva, K. M.	87
Pastrana Borrero, Misael	50	Pogosov, I.	9
Patin, I.	22	Poisson-Quinton, P.	53
Pavlenko, V. F.	53	Polonik, V. S.	77
Pavlik, V. M.	106	Polukhin, K.	20
Pavlov, A. A.	72	Polukhin, P. I.	84
Pavlov, I. M.	83, 85	Polutov, A. I.	105
Pavlova, L. N.	59	Poluyan, Vadim	23
Pchelkina, L. V.	75	Polyakov, G.	9
Pchlin, P.	1	Polyakov, V. B.	81
Pecherskiy, Yu. N.	96	Polyakova, G. N.	58
P'ei Hsi-wen	103	Ponomarenko, V. P.	60
Peled, Eliahu	74	Ponsard, A.	121
Pelenov, S.	107	Popov, A.	10
Pendyur, B.	19	Popov, E. F.	104
Pepescu, N. D.	91	Popov, M.	6
Pereira, Antonio Carlos	47	Popov, V. G.	99
Pereira, Moutinho	37	Popov, V. P.	68
Perel', L. Ya.	102	Popov, V. Ye.	5
Perez, Faustino	49	Popovic, M.	66
Perminov, V. P.	86	Popyrin, L. S.	82
Permyakov, V. G.	84	Potak, Ya. M.	86
Peshekhonov, V.	1	Potaturin, A.	18
Peski, A.	105	Potekushin, N. V.	97
Petrakov, A. V.	108	Pouillard, E.	89
Petrenchuk, O. P.	59	Pozen, N. L.	83
Petrov, A.	119	Pozo, Alberto	57
Petrov, N.	8	Pradzynski, B.	105
Petrov, T.	30	Pridantsev, M. V.	113
Petrov, V.	7	Prioul, Charles	34
Petrova, G. M.	59	Prishivalko, A. P.	114
Petrovichev, N.	15	Prokof'yev, V.	20
Petukhov, I. A.	79	Prokofyev, V. A.	78
Pevtsov, G.	85	Przhiyalkovskiy, V. V.	79
Pfister, Thierry	32	Pshonik, A. G.	79
Pfleiderer, G.	64	Pugo, B. K.	17
Phan Trong Tue	44	Puzjak, I.	88
Pichal, M.	116	Pysiak, Wieslaw	96
Pilotovich, S. A.	22		
Pinegin, S. V.	102	- Q -	
Pinkhasik, D.	10	Quemeneur, A.	116
Pistol'kors, A.	76		
Pita Astudillo, Felix	48	- R -	
Pivovarov, S. P.	76		
Platoshkin, A.	99	Raas, E.	65
Plechov, A.	16	Rabbe, I. P.	89
Plotkin, Ye. R.	97	Rabinovich, F. L.	11
Plotnikov, V. P.	98	Rabinovich, M. S.	113
Podgornyy, I. M.	58	Radchenko, N.	20

Radmarovic, Bozo	31
Rafiyev, M. M.	68
Raginskaya, L. K.	85
Rakhmatulin, Kh. A.	115
Rakovski, Kiril	121
Rapoport, B. I.	77
Rasulov, D. R.	2
Ratner, A. V.	98
Rayk, Ye.	96
Rehahn, J. P.	109
Reinhardt, Carl-Friedrich	36
Reshetov, D. N.	99
Restrepo, Lleras	50
Reychman, Jan	25
Ribeiro, Luiz Salgado	105
Rida, 'Adil	37
Riffaud, Madeleine	43
Riha, K.	88
Riskin, B.	19
Risser, R.	92
Rodin, G.	21
Rodionov, F.	23
Rodionova, V. A.	102
Rodl, W.	91
Rodnoyi, Karoly	25
Roelker, A.	116
Roepert, W.	107
Roglic, Stevan	31
Rogov, V. S.	23
Romanov, G.	14
Romanova, A. F.	62
Romanovskiy, A. I.	101
Romanyuk, B.	18
Rosselevich, I. A.	76
Rouleau, Eric	39
Roux, W.	64
Rovkov, A. D.	97
Rozenfel'd, Sh.	13
Rozenshtein, M. M.	105
Rozkwitalski, Z.	118
Ruban, V. A.	112
Ruben, V.	22
Rubin, S. B.	109
Rudakov, Ye.	13
Rudis, V. I.	119
Rulev, B. G.	71
Rumyantsev, A. M.	23
Rumyantsev, Yu.	6
Rusinaru, I.	56
Rutman, L.	6,11
Ruzanov, I. V.	77
Ryabchuk, B.	21

Rybal'chenko, M. K.	82
Rylov, Yu. P.	115
Rymarenko, V.	54
Ryumin, S.	4

- S -

Saba'i, Amin	38,39
Sabonnadiere, J. C.	80
as-Sa'di, Sa'id	39
Sadovnikov, A. I.	61
Sadovskiy, L. V.	75
Saf'yan, M. M.	85
Sagalevich, Ye. A.	86
Sakurai, T.	80
Salak, A.	88,89
Salishchev, K. A.	71
Samarin, M. S.	78
Sandri, Renato	47
Sano, K.	95
Sarazhinskiy, I.	16
Sarkisyan, S. A.	53
Sarkisov, G.	3
Sarkisov, S. L.	67
Sarkisyan, Ye.	5
Sarykulova, V.	7
Sasajima, Y.	94
Sato, S.	94
Sauer, K. H.	90
Savel'yev, I. T.	8
Savitskiy, Ye. M.	86
al-Sayyid, Jalal	39
Sazhin, N. P.	86
Schacherl, Bruno	36
Scharfenstein, Fritz	28
Schippel, E.	91
Schlegel, Roger	104
Schmahl, N. G.	69
Schmerber, H.	63
Schmidt, Juergen	69
Schroter, H.	80
Schubert, R.	103
Schultze, O.	65
Schultze, Oskar	64
Schulze, Gerhard	24
Schulze, H. U.	25
Schumacher, K.	65
Schutz, W.	89
Schwenk, W.	92
Schwier, F.	92
Scortaru, Sofia	32
Sdobnov, S.	53
Sedov, D.	18
Seitz, Norbert	104

Sekler, Bogdan	26	Shneyder, Yu.	6
Selemenov, M. I.	79	Shoichi Tsuji	119
Seleznev, I.	19	Shor, A.	7
Semenov, A.	13	Shpakov, Yu.	22
Semenov, I.	16	Shpigel, I. S.	113
Semenov, I. M.	101	Shrvets, R. N.	99
Semeyko, L. S.	21	Shumelov, R. M.	108
Semik, V. P.	75	Shutova-Kozh, I. V.	61
Semina, N.	13	Shvarts, K. K.	109, 111
Sengedorj, T.	55	Shvedkov, Yu. A.	52
Sentyurikhina, L. N.	97	Shvedova, N. I.	9
Sepulveda, Sonia	49	Siba'i, Amin	38
Sepulveda Vergara, Carlos	47	Sidel'nikov, I.	16
Serebrovskiy, A. S.	62	Sidorov, V.	10
Serebryakov, M. Ye.	21	Sidqi, Muhammad	103
Seregina, I. M.	87	Siegel, R.	88
Sergeyev, G. S.	52	Siemenssen, Von H.	64
Sergeyeva, A. N.	83	Siemiatkowski, Leonard	25
Servas, Ploutis	38	Sil'dmyae, I. Ya.	11
Sevast'yanova, T. V.	59	Silin, V. P.	110
Sevyan, V.	16	Siluanov, G.	3
Sgarbi, G.	66	Silva Luvecce, Jorge	50
Sgibnev, A.	19, 20	de Silveira, R. Correa	96
Shaaday, S.	46	Simek, B.	80
Shakh-Azizova, T.	22	Simon, S.	64
Shalimov, V. A.	108	Simonenko, G.	11
Shames, V.	6	Simonov, Konstantin	51
Shao Hsieh-lin	45	Sindolic, Sl.	27
Shapiro, I. V.	104	Sinotar, I.	97
Sharab, B.	43	Sitsinskaya, N. M.	106
Shavyrin, V. N.	98	Sivakov, V. M.	12
Shcheglyayev, A. V.	11	Siwoff, F.	80
Shchelokov, N.	22	Skaba, A.	21
Shchelovanov, L. N.	77	Skochilov, A.	14
Shelyag, V.	18	Skorokhod'ko, Ye. F.	75
Shenderoy, Ye.	2, 54	Skrylev, N.	12
Shershnev, Ye. S.	12	Sladkoshteyev, V. T.	86
Shidlowsky, Benjamin	40	Slavin, L. L.	5
Shil'diner, L. M.	104	Slepcevic, S.	56
Shilin, I.	7	Sliumer, I. P.	64
Shimoda, H.	117	Smeyan, N.	21
Shinkarev, I.	10	Smid, V.	87
Shinmi, K.	94	Smirnov, B. M.	110
Shiraiwa, T.	95	Smirnov, K. M.	60
Shishkina, N. N.	62	Smirnov, V.	120
Shishko, I.	67	Smoldyrev, A. Ye.	102
Shishkov, A.	15	Smolych, Yuriy	18
Shlaykhov, V. I.	78	Snigurowicz, J.	66
Shlezinger, M. I.	79	Sochor, V.	116
Shlyapnikov, G.	15	Soeno, K.	94
Shmonina, V. P.	67	Sofronov, A.	15
Shmukler, B. I.	81	Sofronova, Ye. V.	4
Shmuter, Benjamin	73	Sohn, M.	91
		Sokolov, A.	17

Sokolov, A. V.	75
Sokolov, I.	14
Sokolov, V. F.	79
Sokolov, Yu.	21
Sokol'skiy, D. V.	67
Solkowski, T.	89
Sollet, Asher	73
Solntseva, G. N.	63
Solov'yev, Yu. F.	101
Son, P.	70
Sorikin, L. I.	113
Sorokin, G.	13
Sosnina, N.	102
Sotchenko, Z.	3
Soulez-Laviviere, J.	53
Sovrano, Roland	53
Spektorov, S. I.	82
Spiess, E.	73
Stadnyuk, Ivan	20
Stanciu, Ion	26
Starodubtsev, S. V.	109
Stasevich, G. V.	78
Stavrov, Ye. G.	83
Stegemann, J.	65
Stengel, H.	104, 107
Stepanov, A.	7
Stepanov, G. V.	67
Stepanov, N. K.	84
Steshov, B.	9
Stetsura, P.	55
Stevels, J. M.	90
Stipp, Jr.	46
Stoimenov, Milcho	24
Stolbushkin, N. A.	99
Stoph, Willi	28
Storr, A.	80
Straodubtsev, S. V.	113
Strazhmeyster, V. A.	76
Strogovich, M. S.	22
Strutinskiy, A. N.	79
Struyev, A.	10
Stupnitskiy, I.	3
Stute, G.	80
Subotskiy, Yu.	7
Sugaware, H.	95
Sukharnikov, V. N.	119
Sulzberger, M. B.	65
Sung Wen-yang	72
Surkov, V.	5
Sutulin, A. M.	12
Suyumbayev, A. S.	5
Svetlov, G.	46
Svyatogor, L. A.	79
Syrtsov, M.	18
Szarojwicz, I.	88

Sze, S.	115
Szollösy, Laszlo	121
Sztabert, Z.	96
- T -	
Tagiyev, K.	2
Tahir, 'Abd al-Salam	82
Takamura, J.	118
Tamme, Fred	6
Tamura, I.	94
Tanaka, R.	95
Tanikawa, M.	93
Tanner, K.	64
Tarasevich, Yu. F.	83
Tashiro, K.	94
Tate, K.	94
Tavor, Roman A.	51
Tayrov, Yu. M.	83, 84
Tenebaum, M. M.	84
Teplitskiy, V. A.	96
Teraï, R.	70, 71
Terekhov, V.	13
Tereshchenko, A. P.	61
Ter-Mkrtchyan, T.	7
Tesic, Z. P.	66
Thalmann, E.	93
The Long	57
Thirriot, S.	73
Tikhomirov, Yu.	5
Til, Edvin	66
Timakov, V.	61
Ting Lai-ho	43
Titarenko, A. A.	2
Tkachev, V. N.	84
Toci, Veniamin	23
Toka, S.	16
Toktonaliyev, A.	4
Tolstosheyev, V. V.	11
Tolubinskiy, V. I.	110
Tomanec, L.	103
Tomulescu, Filip	56
Torban, S. S.	62
Toth, L.	64
Tournois, Pierre	80
Tovar, Ramon A.	51
Trachuk, V. P.	81
Traktuyev, M.	5
Tran Cong Tuynh	44
Tretyako, Yu. D.	86
Trgovcivic, Bogdan	32
Trofimuk, A.	5
Troi, C.	73
Troi, U.	73
Trombe, Felix	68

Trubchikov, B. Ya.	106
Truc Thanh	57
Trush, M. I.	17
Tsarenko, A. P.	102
Tsedergerg, N. V.	113
Tserenbaljir, D.	46
Tseytlin, N. M.	58
Tsigov, Dimitur Ang.	24
Tsidkovskiy, K. Ye.	119
Tsitovskiy, I.	10
Tsonev, M.	63
Tsylin, S. G.	110
Tsyplakov, O. G.	86
Tsytovich, V. N.	58
Tuleshkova, Silviya	27
Tuleuova, Ye. T.	60
Tur, V.	4
Turbatu, Stelian	105
Tuzmukhamedov, R.	17
Tverskoy, B. A.	71
Tyabotov, A. Ye.	78
Tyazhel'nikov, Ye.	16
Tylkina, M. A.	86

- U -

Uetz, H.	91
Ulanov, V. A.	84
Ul'yanov, A. I.	100
Ulker, Resit	40
Ullmann, J.	88
Ulmart, Ahud	40
Ulyanitskiy, M. N.	112
Ul'yanov, V. N.	77
Urban, Maria	33
Urbanskiy, V. D.	107
Urdea, Paul	29
Urlanis, B.	22
Ushagin, V. I.	106
Usmanov, G.	1
Usmanov, K. B.	83
Ustimenko, B. P.	115
Ustinov, M. D.	111
Ustohal, V.	89
Ust'yanov, V. I.	67
Uthman, 'Abd al-Munim	72
Uvarova, Ye. M.	67
Uvyatkin, V.	6

- V -

Vagin, R.	99
Vaksenburg, S. I.	59
Valov, Yub. I.	75
Valov, Yu. I. I. G.	75
Van der Reijden, G.	63
van der Veen, J. H.	89

Vaneckova, M.	65
Vange, Kh. I.	97
van Lagendonck, Telemaco	103
Varshavskiy, D. S.	90
Varzhanskaya, T. S.	111
Vasilescu, M.	26
Vasil'yev, N. M.	100
Vasil'yev, V.	119
Vasil'yev, V. G.	118
Vasil'yev, Yu. N.	113
Vasil'yeva, I. A.	108
Vasserman, A. A.	59
Vasyutinskiy, B. M.	87
Vater, M.	90,91
Vaulin, Ye. P.	113
Vavilov, V.	2
Vavros, L.	88
Vaynshtok, V. V.	87
Vaysov, M.	4
Vayssaire, Jean-ch	106
Vdovykin, G. P.	58
Veligurskiy, A.	19
Velinov, P.	58
Veselov, K. Ye.	72
Veselov, V.	2
Veselov, V. M.	96
Veymer, A.	5
Veynblat, V. I.	60
Veys, A.	23
Vezirova, Ye.	1
Vid, L.	2
Vidusova, T. A.	84
Vigliani, E. C.	66
Vilain, A.	89
Vil'dgrube, G. S.	77
Vil'gel'mi, T. A.	114
Vilkov, A.	7
Villain, J. P.	89
Villela, Rubens J.	74
Vinogradov, K. K.	12
Visconti, I. Crivelli	93
Vishnyakov, B. A.	111
Vishnyakov, V.	20
Vishnyakov, V. I.	101
Viti, Mario	74
Vladziyevskiy, A. P.	102
Vlasov, N. A.	58
Vlasov, O. N.	67
Voinea, Dana	26
Vojinovic, L.	74
Volkovitskiy, O. A.	59
Volkovitskiy, O. A.	59
Volynov, B. V.	58
von Kienlin, M.	104

Vorob'yev, A.	9
Voronov, G. G.	104
Voronov, G. I.	6
Voshchin, G.	5
Voss, Ye. A.	17
Voynov, At.	31
Voytlovskiy, G. K.	9
Voytsekhovich, B. V.	77
Vozovikov, V.	19
Vrabel, M.	64
Vsekhsvyatskiy, S. K.	58
Vuckovic, Stojan	66
Vulikh, A. I.	86
Vulis, L. A.	111
Vvedenskiy, T. A.	120
Vyalov, S. S.	71
Vykhodets, A. V.	78
Vyklicky, M.	88

- W -

Wada, H.	59
Wagner, Jun	32
Wagner, K.	110
Wainstein, Alb. L.	3
Waldeck, F.	65
Waldenstrom, T.	68
Waldvogel, W.	90
Wanibe, Y.	117
Wasytkovski, Janusz	26
Watanabe, Y.	94
Weinreich, W.	90
Weiss, Werner	29
Werner, M. A.	63
Wessel, Harald	28
Westlin, N.	66
Wiedemann, K. H.	91
Wieland, T.	64
Wilner, Meir	38
Wimmer, Ernst	33
Wirdel, W.	24
Wirjosuparto, Sutjipto	46
Wislicenus, H.	68
Wolf, E.	73
Wos, A.	59
Wroblewski, J.	55
Wu Hsing-sheng	87
Wu Pao-Jen	72
Wu, T.	68
Wyon, G.	106
Wyschofsky, Guenther	28

- Y -

Yagi, T.	95
Yagodkin, V.	22
Yagudin, S. Yu.	5
Yakovlev, A. S.	53
Yakovlev, N. N.	52
Yakovlev, Yu. P.	112
Yakub, Yu. A.	98
Yakubovskiy, I.	16
Yakunin, G. I.	83
Yakusha, G. B.	109
Yamamoto, S.	94
Yanagawa, T.	94
Yanai, I.	93
Yanchuk, V. A.	23
Yang Hsun-jen	72
Yaroslavets, A. M.	81
Yurovoy, P.	19
Yarygin, M.	21
Yefimov, K.	1
Yefremov, A.	59
Yegorov, A.	14
Yekiyev, V.	4
Yekmanis, Yu. A.	109
Yeleonskiy, V. M.	110
Yel'kin, Arnol'd	99
Yelkoyev, L. I.	59
Yel'tsefon, B. S.	62
Yemel'yanov, V.	5
Yenekov, V. G.	119
Yepishev, A.	15
Yeremin, V. N.	87
Yerglis, U. Yu.	97
Yerkayev, A.	54
Yershov, I. V.	111
Yesaulov, P. A.	55
Yesin, S.	7
Yesipova, I. K.	60
Yevfarestov, Yu.	6
Yevreinov, Ye. V.	79
Yi Kyu-Chong	41
Yokozawa, M.	69
Yoneda, H.	93
Yonezaki, M. S.	89
Youcef, Sebti	55
Yudzon, O. I.	76, 78
Yukhiko Takenaka	105
Yur'yeva, L. P.	68

Zaccaria, Gualtero	53
Zagladin, V.	15
Zagoruchenko, V. A.	113
Zagortuyko, N. G.	79
Zajicek, A.	88
Zak, L. I.	118
Zakhariev, B.	63
Zakharov, I. P.	76
Zakrevskiy, A. D.	79
Zallesskiy, V. Ye.	98
Zamarayev, V. A.	8
Zarenbo, L. K.	68
Zarzycki, Ryszard	105
Zaslavskiy, D. I.	53
Zavalishchin, M.	7
Zavarin, V. A.	100
Zavarukhin, Yu.	16
Zaydel'man, R. L.	98
Zaydenberg, Ye. D.	76
Zayichik, K. S.	105
Zayid,	
Ibrahim 'Umar Muhammad	37
Zayitsev, V. P.	62
Zaytsev, G. S.	109
Zaytsev, N. G.	78
Zaytsev, Yu.	59
Zeibler, Lothar	24
Zekmi, O.	35
Zelentsov, P. N.	82
Zeylidzon, Ye. D.	81
Zharkov, V. Ya.	82
Zharov, V. G.	62
Zhdanko, A. V.	3
Zhdanov, Zh. D.	79
Zheleznyy, B. V.	67
Zhemoyidina, L. Y.	111
Zhigalin, V. F.	102
Zhimerin, D. G.	81
Zhitkovskiy, Yu. Yu.	110
Zhukov, G.	14
Zhukovskiy, V. V.	115
Zhuravlev, L. V.	62
Zhurenko, V. N.	61
Zilinskaite, L. P.	67
Zimin, G.	10
Zinger, S. A.	106
Zis', A.	22
Zmijanac, Duro	57
Zmuda, Andrzej	26
Zolotarev, Ye.	63
Zolotukhin, A. N.	62
Zolotykh, B. N.	102
Zorea, Carlos	116

Zerin, Val.	51
Zotov, D.	6
Zubchaninova, V. N.	111
Zurawski, M.	74
Zwaan, E. J.	53
Zykov, S. A.	82
Zytynski, Edmund	110

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UNCLASSIFIED
Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in dark ink, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0866011	78-03109A	63	1	8	145	Consolidated Translation Survey Through 31 January 1970	1/31/1970	237	Approved For Release	3/25/2004
AD08666891	78-03109A	64	1	1	146	Consolidated Translation Survey Through 28 February 1970	2/28/1970	237	Approved For Release	3/25/2004
AD0868214	78-03109A	64	1	2	147	Consolidated Translation Survey Through 31 March 1970	3/31/1970	222	Approved For Release	3/25/2004
AD0869588	78-03109A	64	1	3	148	Consolidated Translation Survey Through 30 April 1970	4/30/1970	225	Approved For Release	3/25/2004
AD0871388	78-03109A	64	1	4	149	Consolidated Translation Survey Through 31 May 1970	5/31/1970	286	Approved For Release	3/25/2004
AD0872361	78-03109A	64	1	5	150	Consolidated Translation Survey Through 30 June 1970	6/30/1970	339	Approved For Release	3/25/2004
AD0873815	78-03109A	64	1	6	151	Consolidated Translation Survey Through 31 July 1970	7/31/1970	274	Approved For Release	3/25/2004
AD0834385	78-03109A	47	1	4	17	Consolidated Translation Survey For May 1959	6/17/1959	193	Approved For Release	3/25/2004
AD0834386	78-03109A	47	1	5	18	Consolidated Translation Survey For June 1959	7/17/1959	177	Approved For Release	3/25/2004
AD0834387	78-03109A	47	1	6	19	Consolidated Translation Survey For July 1959	8/24/1959	254	Approved For Release	3/25/2004
AD0834388	78-03109A	47	1	7	20	Consolidated Translation Survey For August 1959	9/18/1959	209	Approved For Release	3/25/2004
AD0834389	78-03109A	47	1	8	21	Consolidated Translation Survey For September 1959	10/20/1959	261	Approved For Release	3/25/2004
AD0834491	78-03109A	47	1	9	22	Consolidated Translation Survey For October 1959	11/16/1959	181	Approved For Release	3/25/2004
AD0834492	78-03109A	47	1	10	23	Consolidated Translation Survey For November 1959	12/22/1959	214	Approved For Release	3/25/2004
AD0834493	78-03109A	47	1	11	24	Consolidated Translation Survey For December 1959	1/20/1960	202	Approved For Release	3/25/2004
AD0834494	78-03109A	47	1	12	25	Consolidated Translation Survey For January 1960	2/25/1960	198	Approved For Release	3/25/2004
AD0834495	78-03109A	47	1	13	26	Consolidated Translation Survey For February 1960	2/1/1960	248	Approved For Release	3/25/2004
AD0834496	78-03109A	48	1	1	27	Consolidated Translation Survey For March 1960	3/1/1960	223	Approved For Release	3/25/2004
AD0834497	78-03109A	48	1	2	28	Consolidated Translation Survey For April 1960	4/1/1960	287	Approved For Release	3/25/2004
AD0834498	78-03109A	48	1	3	29	Consolidated Translation Survey For May 1960	5/1/1960	312	Approved For Release	3/25/2004
AD0834499	78-03109A	48	1	4	30	Consolidated Translation Survey For June 1960	6/1/1960	277	Approved For Release	3/25/2004
AD0834500	78-03109A	48	1	5	31	Consolidated Translation Survey For July 1960	7/1/1960	186	Approved For Release	3/25/2004
AD0834501	78-03109A	48	1	6	32	Consolidated Translation Survey For August 1960	8/1/1960	317	Approved For Release	3/25/2004
AD0834502	78-03109A	48	1	7	33	Consolidated Translation Survey For September 1960	9/1/1960	287	Approved For Release	3/25/2004
AD0834503	78-03109A	48	1	8	34	Consolidated Translation Survey For October 1960	10/1/1960	322	Approved For Release	3/25/2004
AD0834504	78-03109A	48	1	9	35	Consolidated Translation Survey For November 1960	11/1/1960	289	Approved For Release	3/25/2004